

485
COPYRIGHT, ENT'D. J. A. HALL.
Telegraphic Address
"WELSBACH, LONDON."

Telephone Number
2410 North (4 Lines)

PRICE LIST.

1911-12

Welsbach Light



THE
BIRMINGHAM
MEDAL.

Presented by
THE
INCORPORATED
GAS
INSTITUTE,
TO

Dr. Carl Auer Ritter von Welsbach.
June, 1897.

The Welsbach Light Co., Ltd.

Sole Manufacturers and Owners in the United Kingdom.
OF THE

Welsbach Incandescent Gas Light System.

HEAD OFFICE AND SHOW ROOMS

WELSBACH HOUSE,

98 54, GRAY'S INN R^D, KINGS CROSS, LONDON, W.C.



SPECIAL NOTICE.

THE Public is specially warned against Mantles offered as
“WELSBACH”

at prices below those quoted in this Catalogue.

Every Genuine Welsbach or Kern Burner bears our Registered Trade Mark “AUR” stamped upon the head. Burners stamped “Welsbach System” or “Auer System” are IMITATIONS, and proceedings will be instituted against any person selling these as “Welsbach” Burners.



1. When ordering, particular care should be taken to QUOTE CORRECT NUMBERS, as per list.

2. It is requested that in all communications and orders, the names or numbers of the various articles may be quoted, as set out under each illustration; mistakes and delays will be thus avoided.

3. All goods are sent—on firm order—at consignee's expense and risk.

4. Customers are respectfully notified that the Company cannot take back or make any allowance for goods returned, unless such returns have been previously notified to, and sanctioned by the Company.

Ask for Special Booklet on Church Lighting.

Gas Undertakings and Public Lighting Authorities (only) are requested to apply for the Company's Public Lighting Catalogue.

Any size or pattern of Upright Burner can be supplied to order Electro-plated, Nickel, Steel, Black, Green, or Copper Bronzed, to match Wrought Iron, Copper or other Fittings, at 1s. per Burner extra.



ENTERED AT STATIONERS' HALL.

Terms and Conditions of Business.

All previous Lists and Quotations are hereby cancelled.

All prices are subject to alteration without notice.

All Contracts are subject to, and excluding liability for, causes beyond our control.

All Goods are forwarded on Firm Order, and at risk of Consignees. All prices are free our Warehouse, London.

We pay Carriage on £5 lots at a time. (Case Glass and also Lamps and Lanterns excepted).

Glass in Original Cases, if ordered to come direct from Works in two-case lots (about three weeks to deliver), WE DELIVER FREE to any Town in the United Kingdom, unless the freight from the Continent exceeds 4s. for 2 cwt., which it very rarely does. Original cases free.

We accept no responsibility for damage to Goods in transit, any claim must be made on the Carriers.

Packages (where charged) are credited in full if returned as carriage-paid Empties within 14 days with straw, two-thirds only allowed if returned without straw. Half-price allowed if kept.

Each package must bear the name and address of Sender.

All Goods should be signed for "unexamined," and in the event of damage a claim should be made upon the Carriers within 24 hours after receipt of Goods.

Orders of which Mantles form a part are charged by the Railways at 5th Class (the highest) Rate. Unless instructed to the contrary, we use our discretion as to forwarding entire order at 5th Class Rate, or sending Mantles separately.

Booking Fees charged by various carriers are, under all circumstances, added to Invoice.

All orders are executed as promptly as possible, and no claims, on account of delay in delivery, will be entertained.

There is no allowance of any description for breakage occurring in Original Cases of Glass.

EXPORTATION of the Company's Goods is **STRICTLY PROHIBITED**, unless under special sanction from us. Goods for Export are delivered free, Docks or Rails, London, **NOT F.O.B.**

TERMS OF PAYMENT.—All prices are subject to 2½ per cent. for Cash, or on approved Monthly Account.

Approved Quarterly Accounts strictly Net.

Head Offices and Showrooms:

**Welsbach House, 344 to 354, Gray's Inn Road,
LONDON, W.C.**

Telephones: NORTH, 2410, 2411, 2412, and 2413.

Telegrams and Cables: "WELSBACH, LONDON."

Codes: A B C, 5th, and BENTLEY'S.

WELSBACH LIGHT

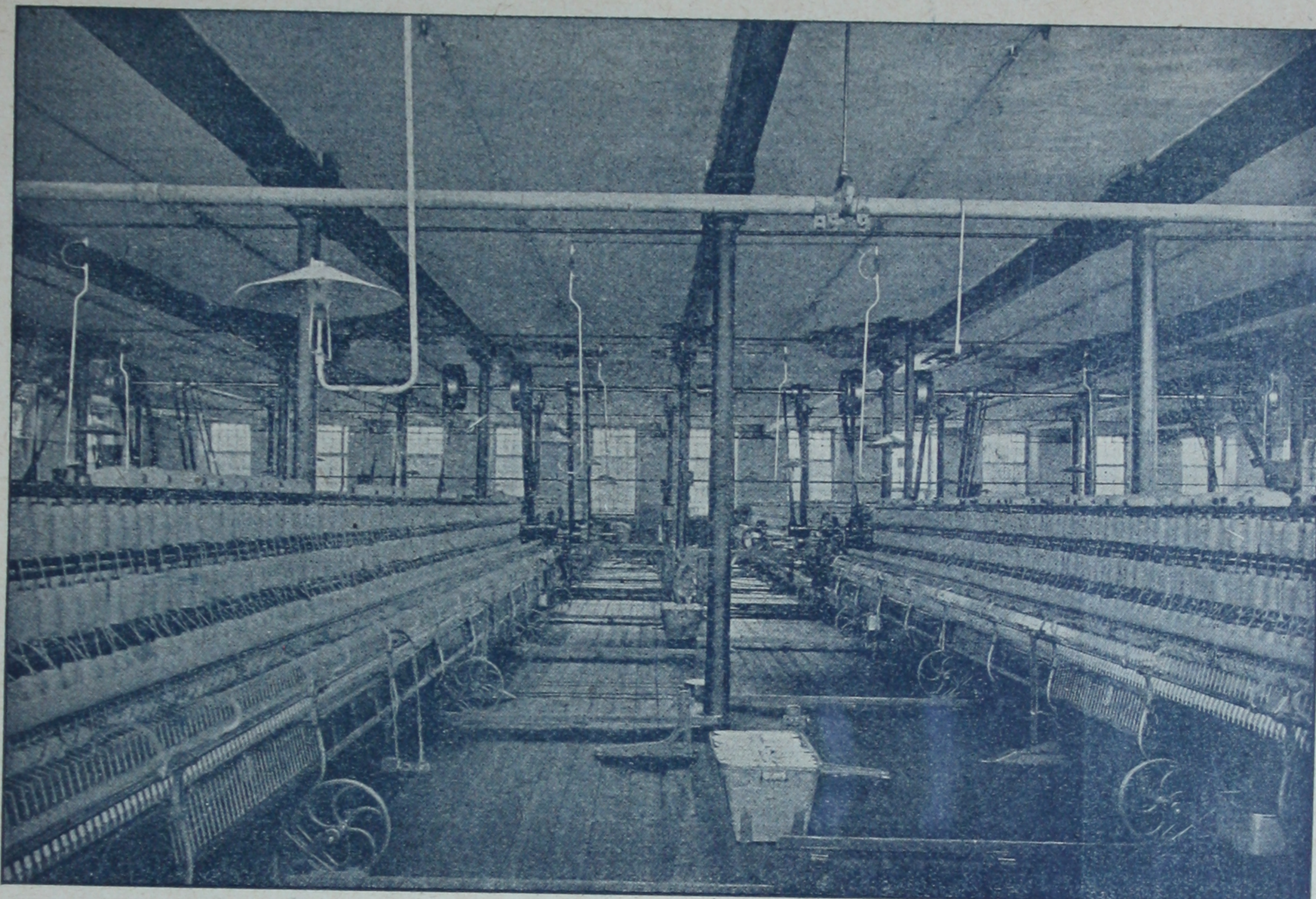


One of the seasoning Rooms at the Welsbach Mantle Factory.

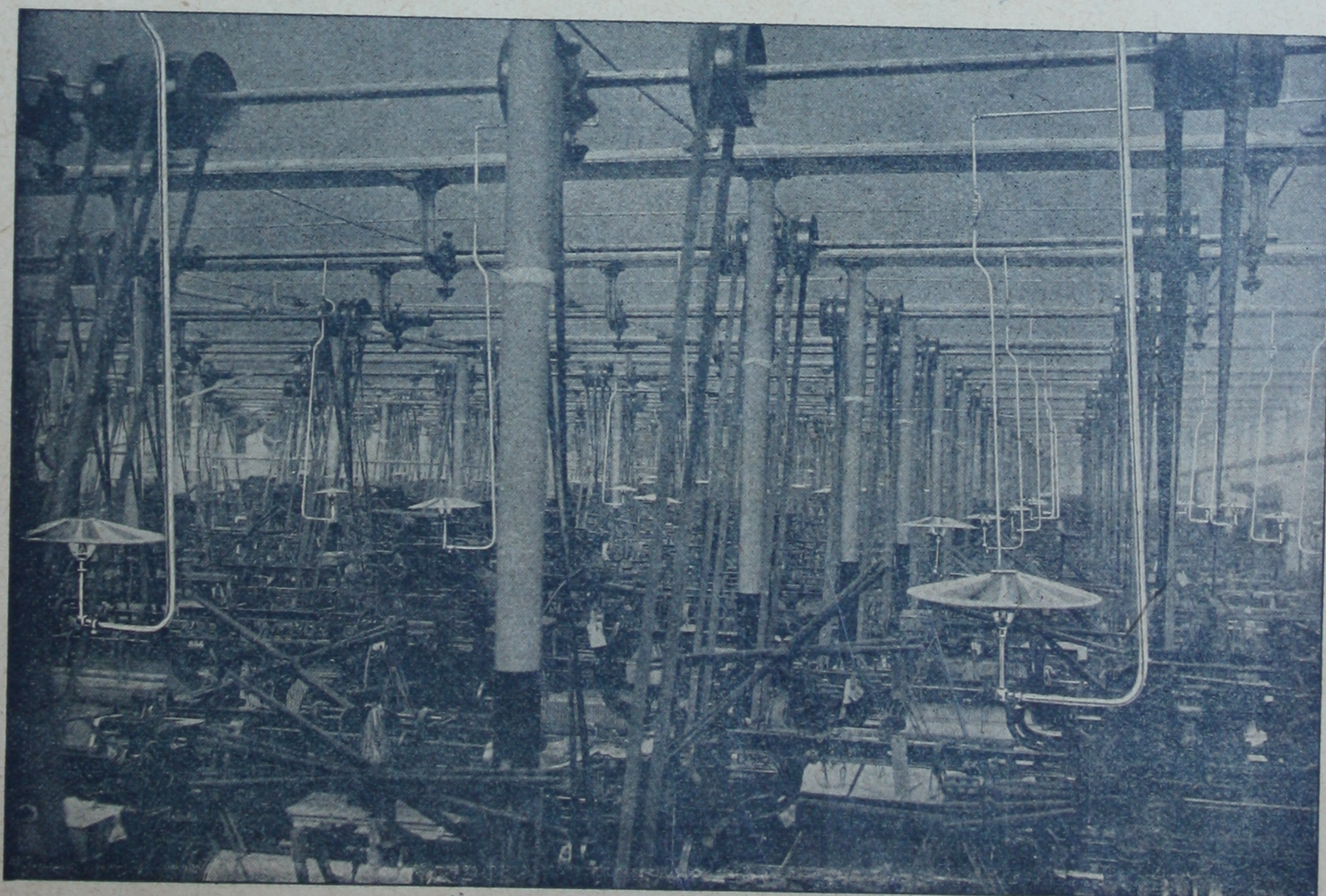


The Welsbach Mantle Factory—Wandsworth, London, S.W.

WELSBACH LIGHT

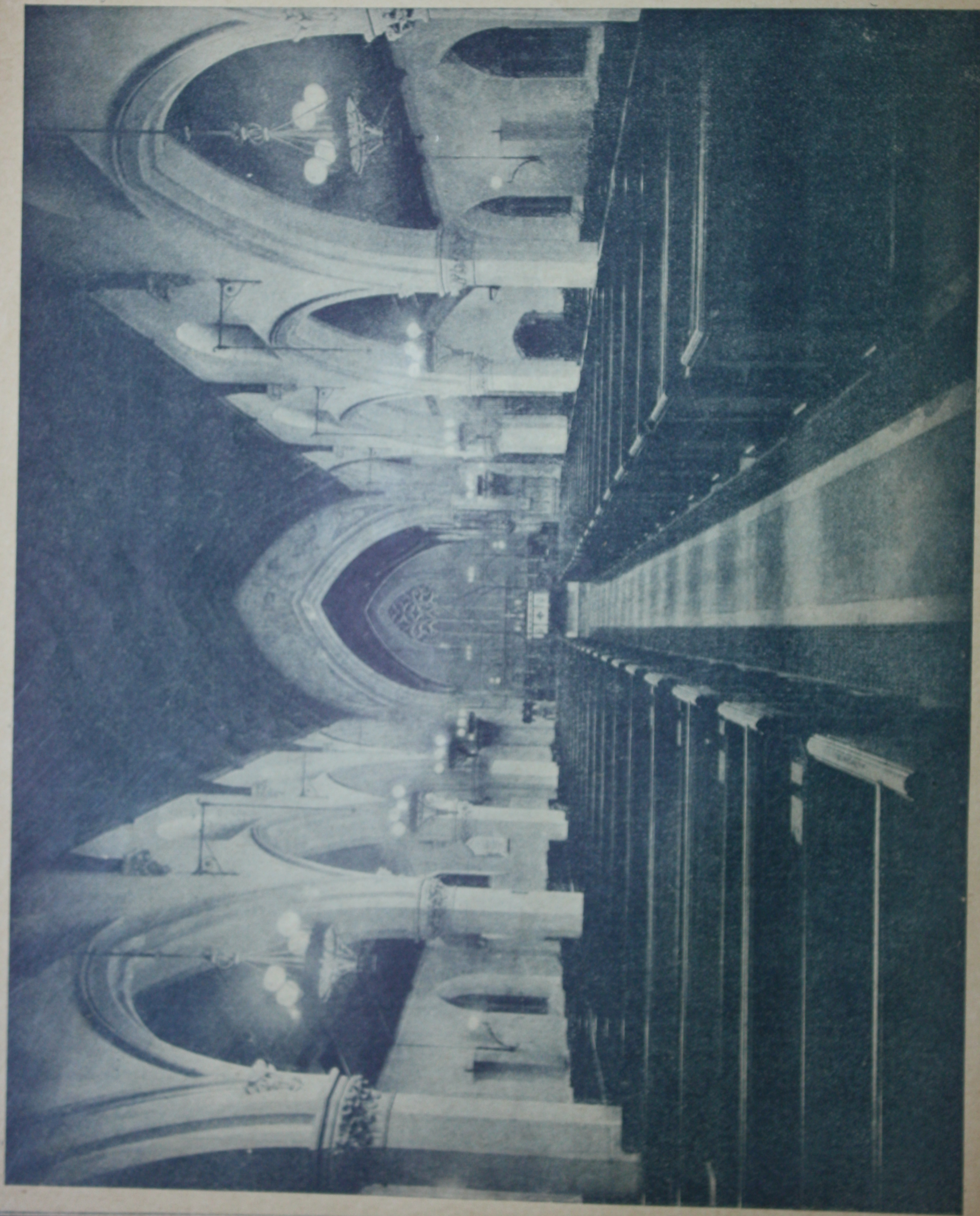


VIEW SHOWING POSITION OF WELSBACH LIGHTS FIXED IN MULE SPINNING ROOM.
Messrs JOHN BAYNES, Ltd., BLACKBURN.



VIEW SHOWING WELSBACH LIGHTS IN WEAVING SHED.
Messrs. JOHN BRIGHT & BROS., Ltd., ROCHDALE.

WELSBACH LIGHT

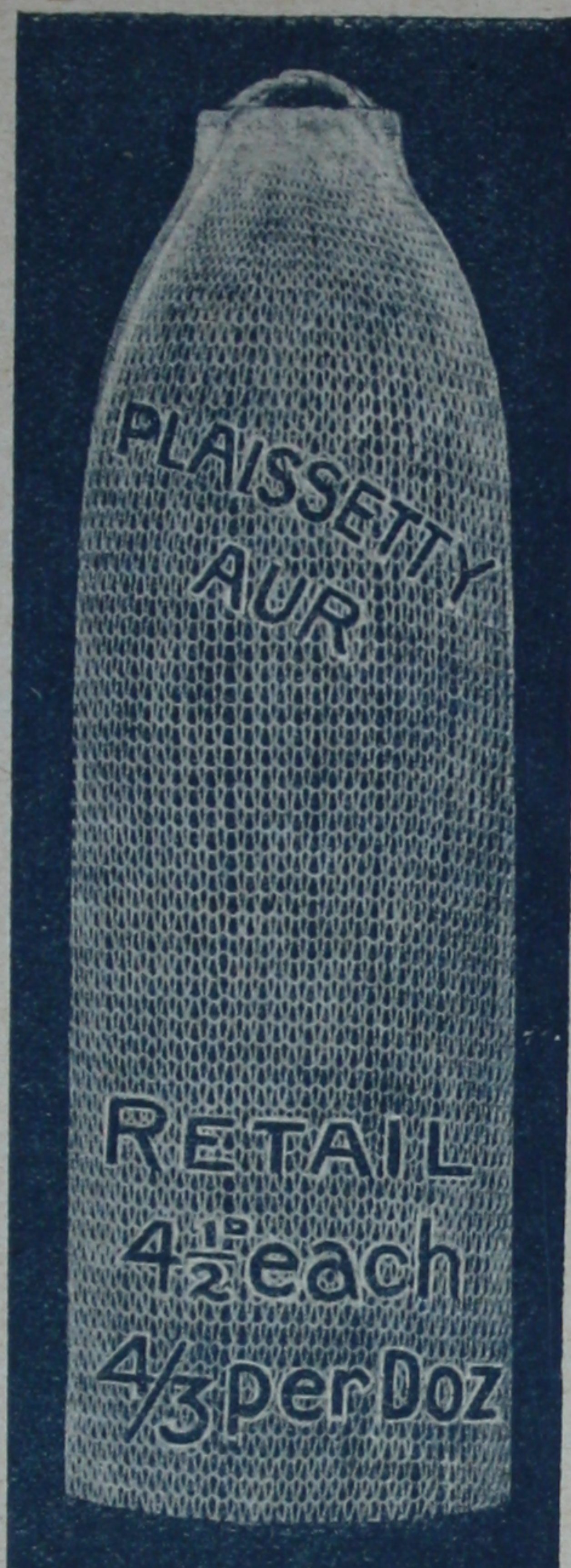


Holy Trinity Church, Wandsworth, S.W. (photographed at night by the Welsbach Light).

WELSBACH LIGHT



Welsbach C Mantle.



Plaissetty Mantle.



Welsbach CX Mantle.



Welsbach KK Mantle.

TRADE PRICES FOR Welsbach Mantles.

2-Ply Ramie Thread. Single Knitted.
For all C and Gem, and for Welsbach-Kern Burners,
Nos. 0, 1, 2, 3, and 4.
6/6 per doz.
78/- per gross. **72/-** per gross in 7-gross lots.

Plaissetty Mantles.

(Manufactured under License by the Welsbach Co.)
Finest 3-Ply Sea Island Cotton. Specially suitable
for Public Lighting.
For all C and Gem, and for Welsbach-Kern Burners,
Nos. 0, 1, 2, 3, and 4.
6/6 per doz.
78/- per gross. **72/-** per gross in 7-gross lots.

Every genuine Mantle bears the
Trade Mark "AUR,"
and is British made by British labour.

Welsbach CX Mantles.

Double Knitted Ramie Thread.
For all C and for Welsbach-Kern Burners Nos. 2, 3, and 4.
7/- per doz. **84/-** per gross.
78/- per gross in 7-gross lots.
CX is a Welsbach Registered Trade Mark.

Welsbach KK Mantles.

Selected Ramie for Street Lighting.
For all C and for Welsbach-Kern Burners Nos. 2, 3, and 4.
7/- per doz.
84/- per gross. **78/-** per gross in 7-gross lots.

Every genuine Mantle bears the
Trade Mark "AUR,"
and is British made by British labour.

The Lighthouse Systems of the United Kingdom are maintained with WELSBACH MANTLES.

WELSBACH LIGHT



Welsbach Premier Mantle.

TRADE PRICES

for

Welsbach Premier Mantles.

Woven Ramie Fabric.

For all C and for Welsbach-Kern Burners, Nos. 2, 3, and 4.

7/6 per doz.

90/- per gross.

84/- per gross in 7-gross lots

Every Genuine Mantle bears the Trade Mark "AUR,"
and is British made by British labour.



Acetylene Gas Mantle.



Acetylene Gas Mantle.



Petrol Gas Mantle.



Petrol Gas Mantle.

TRADE PRICES

for

Petrol Gas and Acetylene Mantles

(Single Knitted Ramie or
Plaissetty Fabric as desired),

6/6 per doz.

78/- per gross.

72/- per gross in 7-gross lots.

Made to order in Welsbach C or in Plaissetty Fabric as desired,
to suit all systems.

Retail, 4½d. each.

4/3 per doz.

WELSBACH LIGHT



Gem Mantle,
Retail, 4½d. each.

TRADE PRICES

for

Welsbach "Gem" Mantles.

For Welsbach "Gem" Burners, page 20.

In Welsbach C or in Plaissetty Fabric as desired.

6/6 per doz.

78/- per gross.

72/- per gross in 7-gross lots.

TRADE PRICES

for

Welsbach-Kern Mantles.

For Welsbach-Kern Burners, Nos. 0, 1, 2, 3, and 4.

In Welsbach C or in Plaissetty Fabric as desired.

6/6 per doz.

78/- per gross.

72/- per gross in 7-gross lots.

ACTUAL SIZES.



Kern Mantle, No. 0.
Retail, 4½d. each.



Kern Mantle,
No. 1.
Retail, 4½d. each.



Kern Mantle,
No. 2.
Retail, 4½d. each.



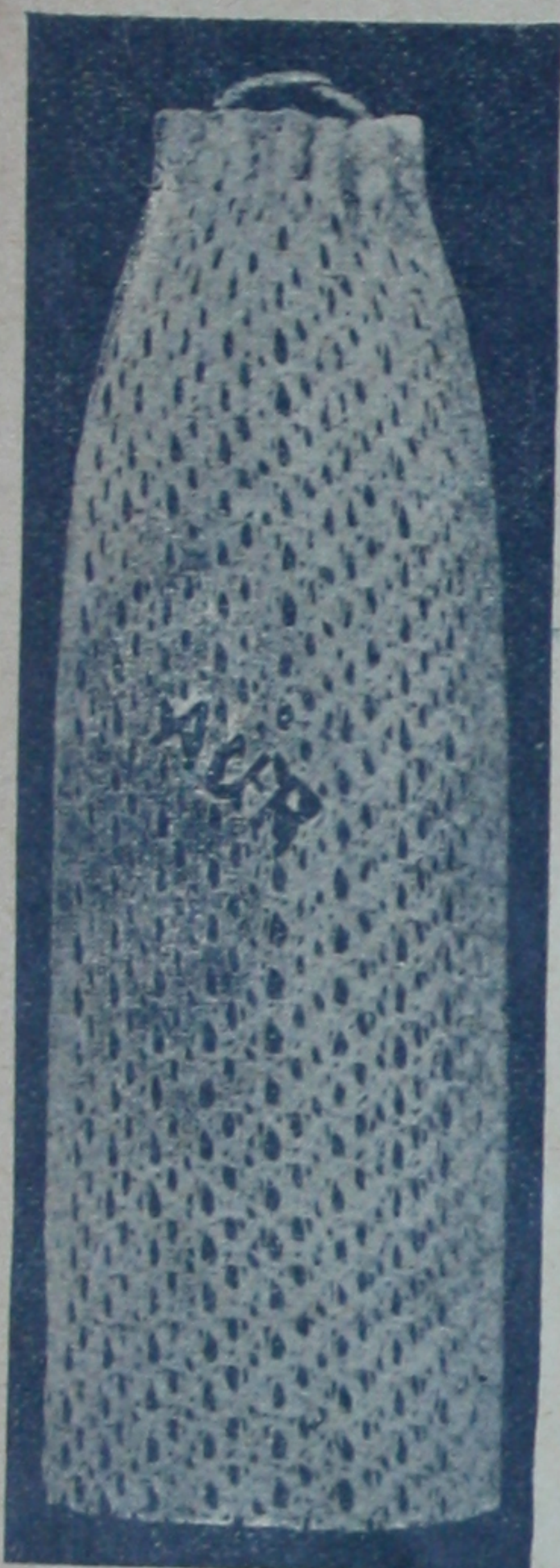
Kern Mantle, No. 3.
Retail, 4½d. each.



Kern Mantle, No. 4.
Retail, 4½d. each.

Every Genuine Mantle bears the Trade Mark "AUR," and is British made by British labour.

WELSBACH LIGHT



Mantle
for Welsbach 150-c.p. Self-
Intensifying Burner.



Mantle for Welsbach 300-c.p.
Self-Intensifying Burner.



Mantle for Welsbach 600-c.p.
Self-Intensifying Burner.

TRADE PRICES for Self-Intensifying Mantles and Kern No. 7.

(Double Knitted Ramie, CX, or
Plaissetty Fabric, as desired.)

Size.	Per doz.	Per doz. in 7-gross lots.
Welsbach 150 c.p....	8/6	8/-
„ 300 c.p....	12/-	11/6
„ 600 c.p.) and Kern No. 7 }	13/6	13/-



TRADE PRICES for H.P. Mantle (300 c.p.)

For Welsbach-Kern H.P. Burner.

12/- per dozen.

11/6 per dozen in 7-gross lots.

Every Genuine Mantle bears the Trade Mark
"AUR,"

and is British made by British labour.

For H.P. Mantles for other systems,
see pages 10, 11 and 16.



High Pressure Mantle
(300 c.p.)



Kern Mantle, No. 7.

WELSBACH LIGHT

Every Genuine Mantle bears the Trade Mark "AUR," and is British made by British labour.



Mantle for Lucas S.I. Lamp.
1,000 c.p.



Mantle for Lucas S.I. Lamp.
700 c.p.



Mantle for
Lucas S.I. Lamp.
400 c.p.



Mantle for
Lucas S.I. Lamp.
200 c.p.

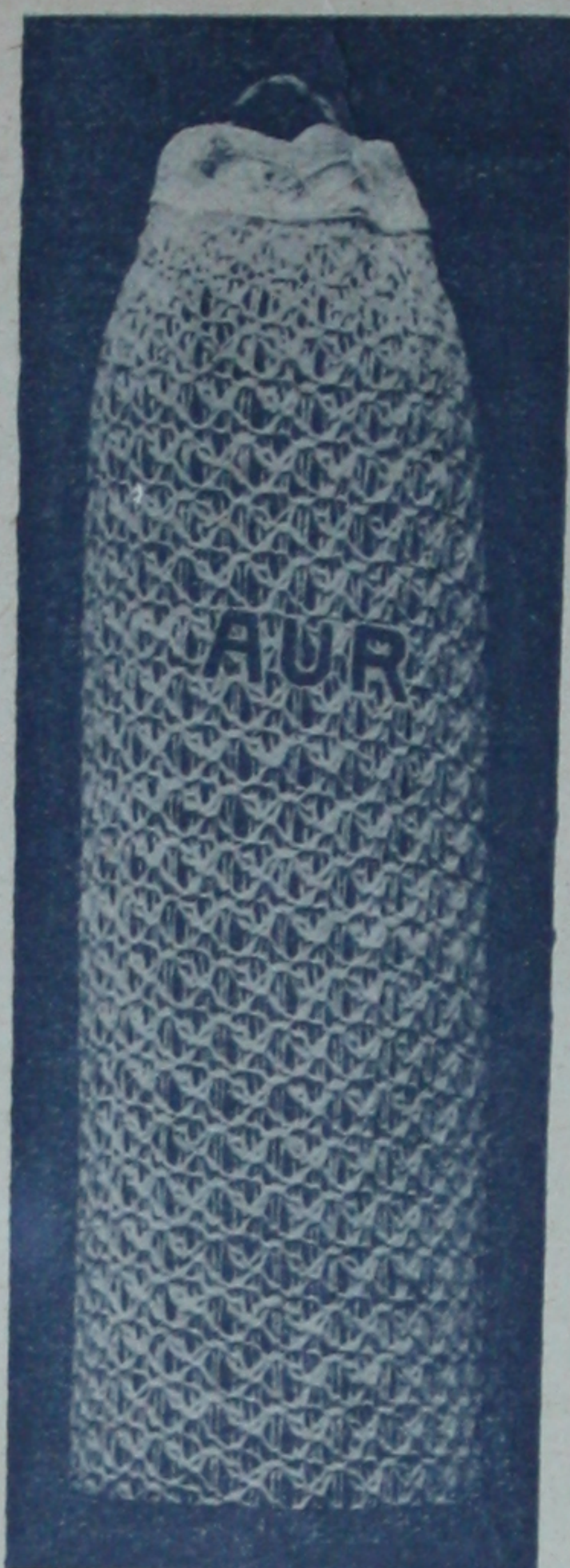
Size.				Trade Prices.	
				Per doz.	Per doz. in 7-gross lots.
For Lucas	200 c.p.	...	...	9/6	9/-
"	" 400 c.p.	...	...	9/6	9/-
"	" 700 c.p.	...	...	12/6	12/-
"	" 1,000 c.p.	...	...	16/-	15/-

These Mantles are made in Double-Knitted Ramie, CX, or Plaissetty Fabric as desired.

WELSBACH LIGHT



H.P. Mantle for Keith
(300 c.p.)



H.P. Mantle for Keith
(150 c.p.)



H.P. Mantle for Keith
(600 c.p.)

TRADE PRICES FOR High Pressure Mantles.

Double Knitted Ramie, CX, or
Plaissetty Fabric, as desired.

Size.	Per doz.	Per doz. in 7-gross lots
For Keith, 150 c.p. ...	8/6	8/-
" 300 " ...	12/-	11/6
" 600 " ...	13/6	13/-
" 1,000 " ...	20/-	19/-



H.P. Mantle for Keith
(1,000 c.p.)

Every Genuine Mantle
bears the Trade Mark

"AUR,"

and is British made by
British labour.

WELSBACH LIGHT

MANTLES FOR SUGG AND KITSON SYSTEMS.

Every genuine Mantle bears the Trade
Mark "AUR," and is British made
by British labour.



Mantle for Sugg's Burners.

(300 c.p.) H.P.

Low Pressure.

Trade Prices for Mantles for Sugg's

Low-Pressure
Burners.

Nos. 2, 3 & 4 sizes,

6/6 per doz.

78/- per gross.

72/- per gross in
7-gross lots.

Trade Prices for H.P. MANTLES.

	Per doz. in Per doz. 7-gross lots	
For Sugg No. 10 ...	12/-	11/6
" " " 20 ...	15/-	14/-
" Kitson 500 c.p.	10/-	9/6
" Lux 800 "	20/-	19/-
" Aladdin 800 "		
" Kitson 1,000 "	20/-	19/-

Made to order in Double Knitted
Ramie, CX, or Plaissetty Fabric as
desired.



Mantle for Kitson.

(500 c.p.)



Mantle for Kitson.

(1,000 c.p.)

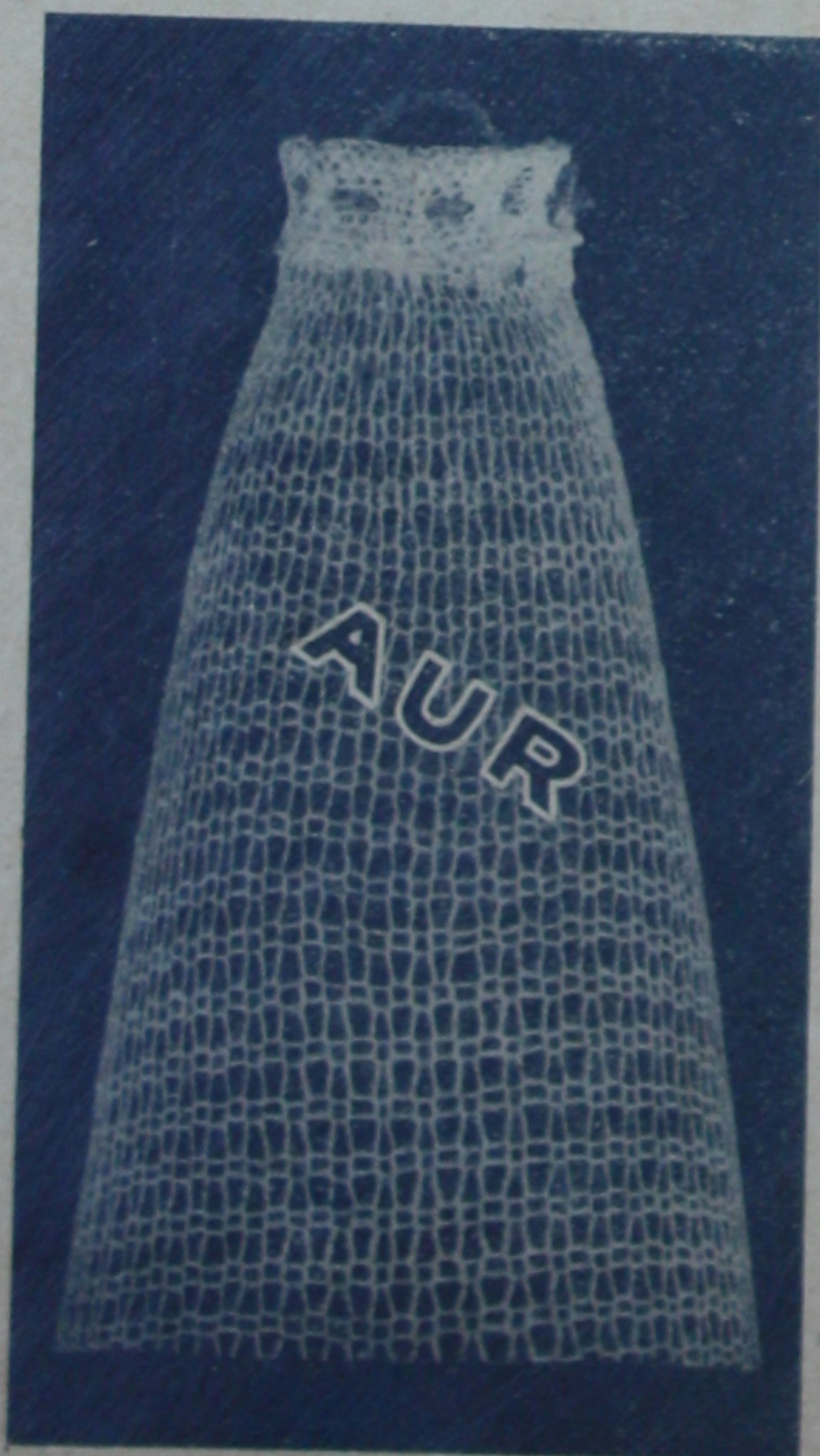
WELSBACH LIGHT



INTENSIVE MANTLES.
Cap Mantle.



Loop Mantle.



Loop
Mantle
for
Petroleum
Burners.

All makes
to
Order.

Every Genuine Mantle bears the
Trade Mark "AUR," and is
British made by British labour.

TRADE PRICES FOR Intensive Mantles.

Complete with Caps, Wires, and
Burner-Gauzes for standard "Block" fitting.
(Double Knitted Ramie or Plaissetty Fabric,
as desired.)

11/- per dozen.

10/- per dozen in 7-gross lots.

Loop—without caps and wires:—

5-inch—8/- per dozen.

7/6 per dozen in 7-gross lots.

6-inch—10/- per dozen.

9/6 per dozen in 7-gross lots.

**WHEN ORDERING PLEASE
STATE MAKE OF BURNER.**

TRADE PRICES FOR Mantles for Welsbach Incandescent and other makes of Petroleum Burners.

8/6 per dozen.

7/6 per dozen in 7-gross lots.

**WHEN ORDERING PLEASE
STATE MAKE OF BURNER.**



"SUNLIGHT" MANTLES.

Sold by The Welsbach Company as Agents for New Sunlight Incandescent Company (1900), Ltd.



Sunlight Mantle.



Sunlight Mantle 252.



Gladiator Mantle.



Palm Mantle.



Tricot Mantle.



Guarantee N.S.C. Mantle.

TRADE PRICES FOR
BRITISH MADE

"Sunlight"

Double Knitted Cotton
for C Burners.

48/- per gross.

44/- per gross by 7-gross lots.

"Sunlight" 252

in Two-ply Ramie
for Street Lighting.

60/- per gross.

54/- per gross by 7-gross lots.

For C and Kern Burners,
Nos. 2, 3, and 4.

"Gladiator"

in Two-ply Ramie.

44/- per gross.

40/- per gross by 7-gross lots.

For C and Kern Burners,
Nos. 2, 3, and 4.

"Palm"

in Two-ply Ramie.

36/- per gross.

34/- per gross by 7-gross lots.

For C Burners.

"Tricot"

in One-ply Ramie.

32/- per gross.

30/- per gross by 7-gross lots.

For C Burners.

"Guarantee"
N.S.C.

in One-ply Ramie.

29/- per gross.

28/- per gross by 7-gross lots.

For C Burners.

"Sunlight Tinted"
giving a golden light.

8/6 per doz. 102/- per gross.

96/- per gross by 7-gross lots.

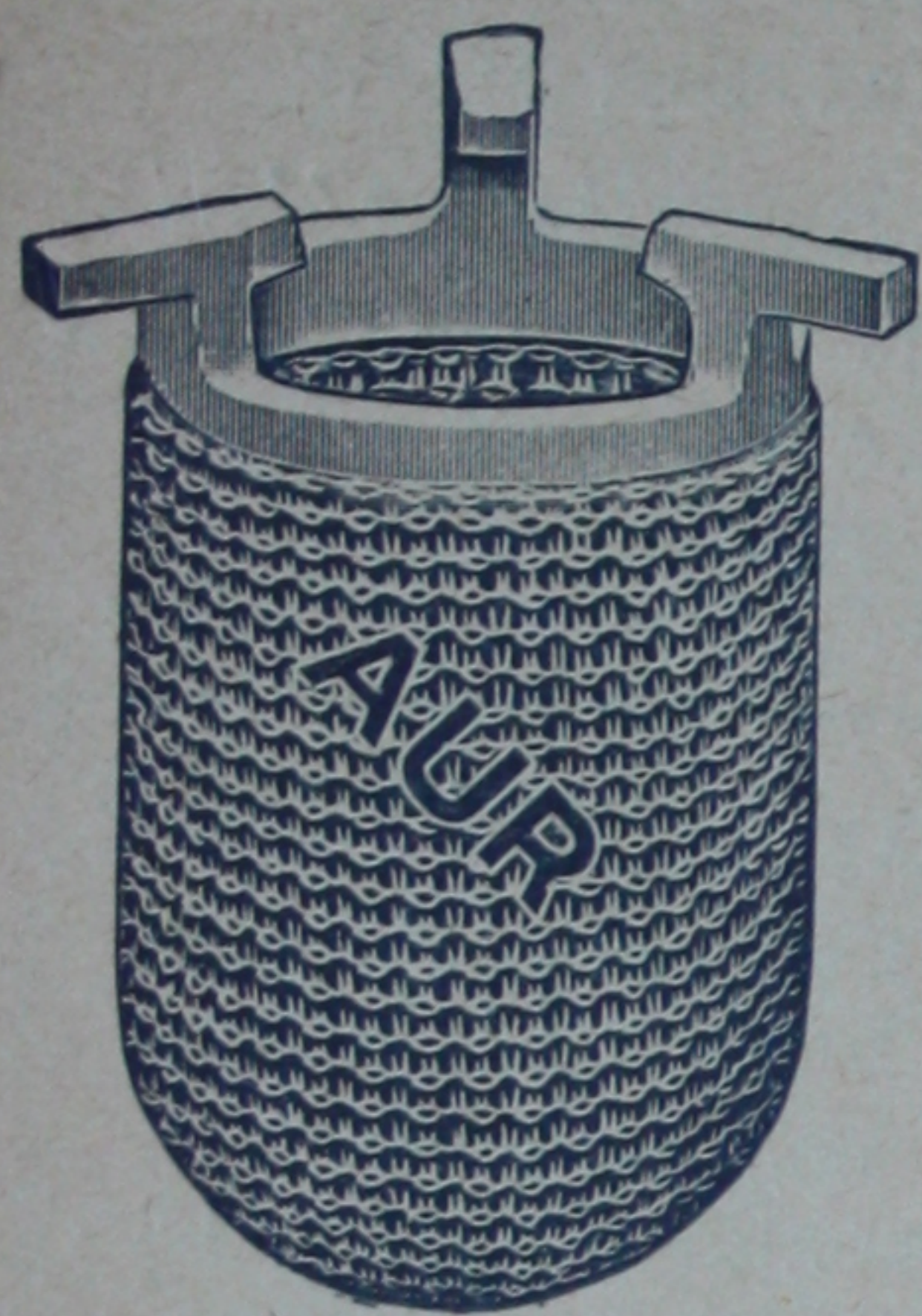
For C Burners.

Special Quotations on request
for any of the Sunlight Company's
Ramie Mantles, to bear cus-
tomers' own marks and labels.

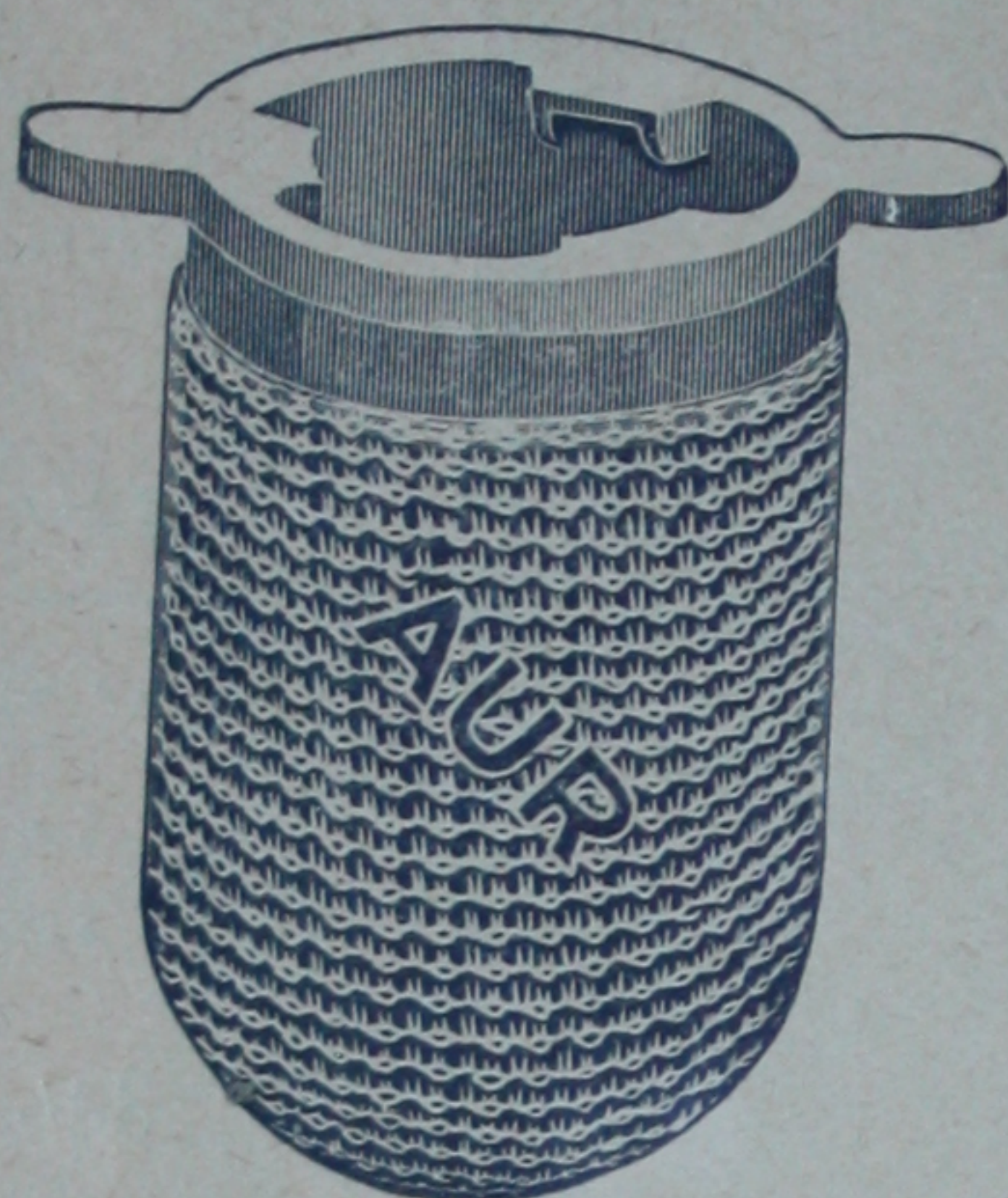


Welsbach Inverted Mantles.

Every Genuine Mantle bears the Trade Mark "AUR," and is British Made by British Labour.



Type D.



Type E.



Type F.

Trade Prices for Welsbach Inverted Mantles.

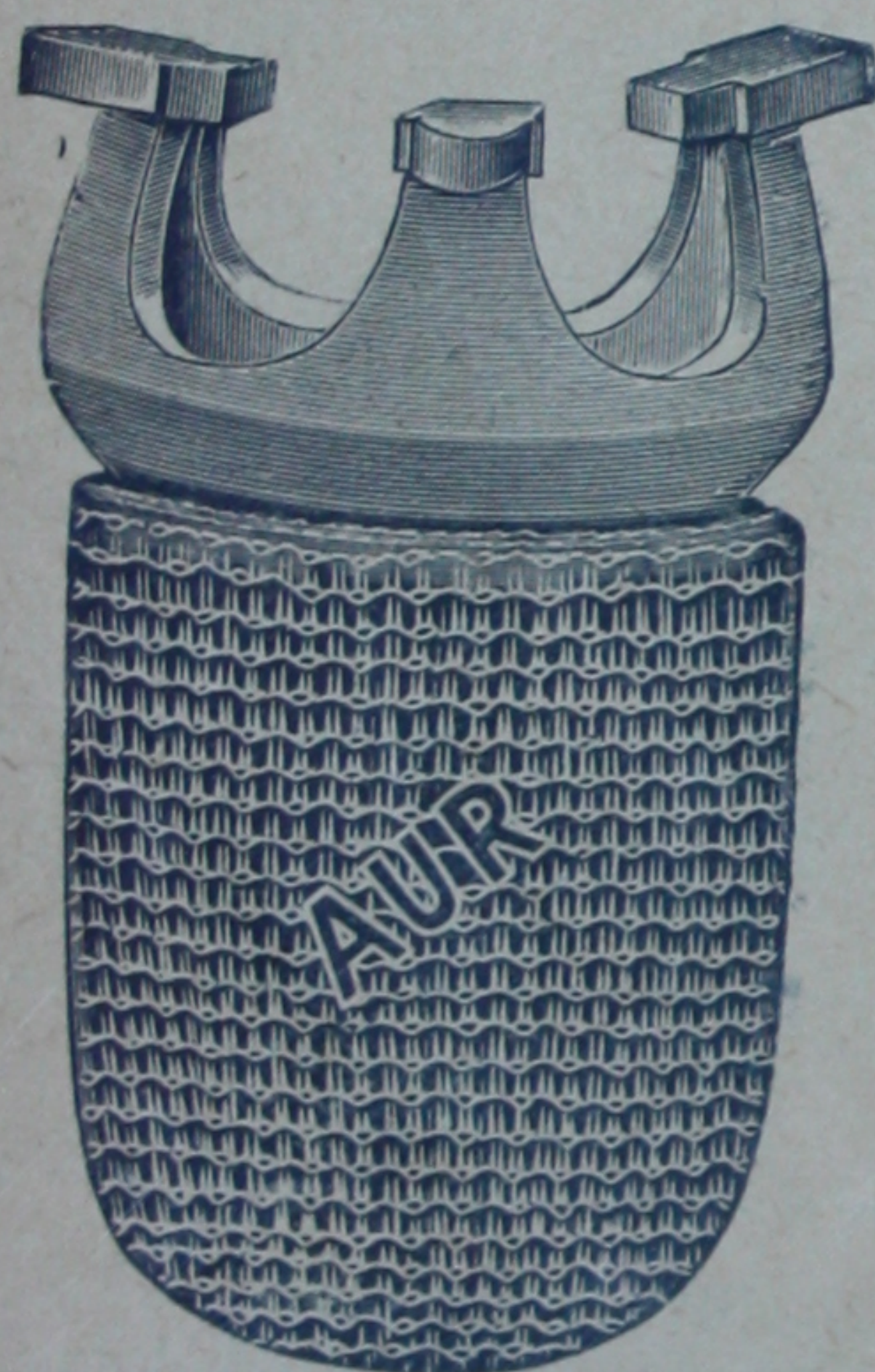
Types D, E, F, G, H, J, K.

6/6 per dozen.

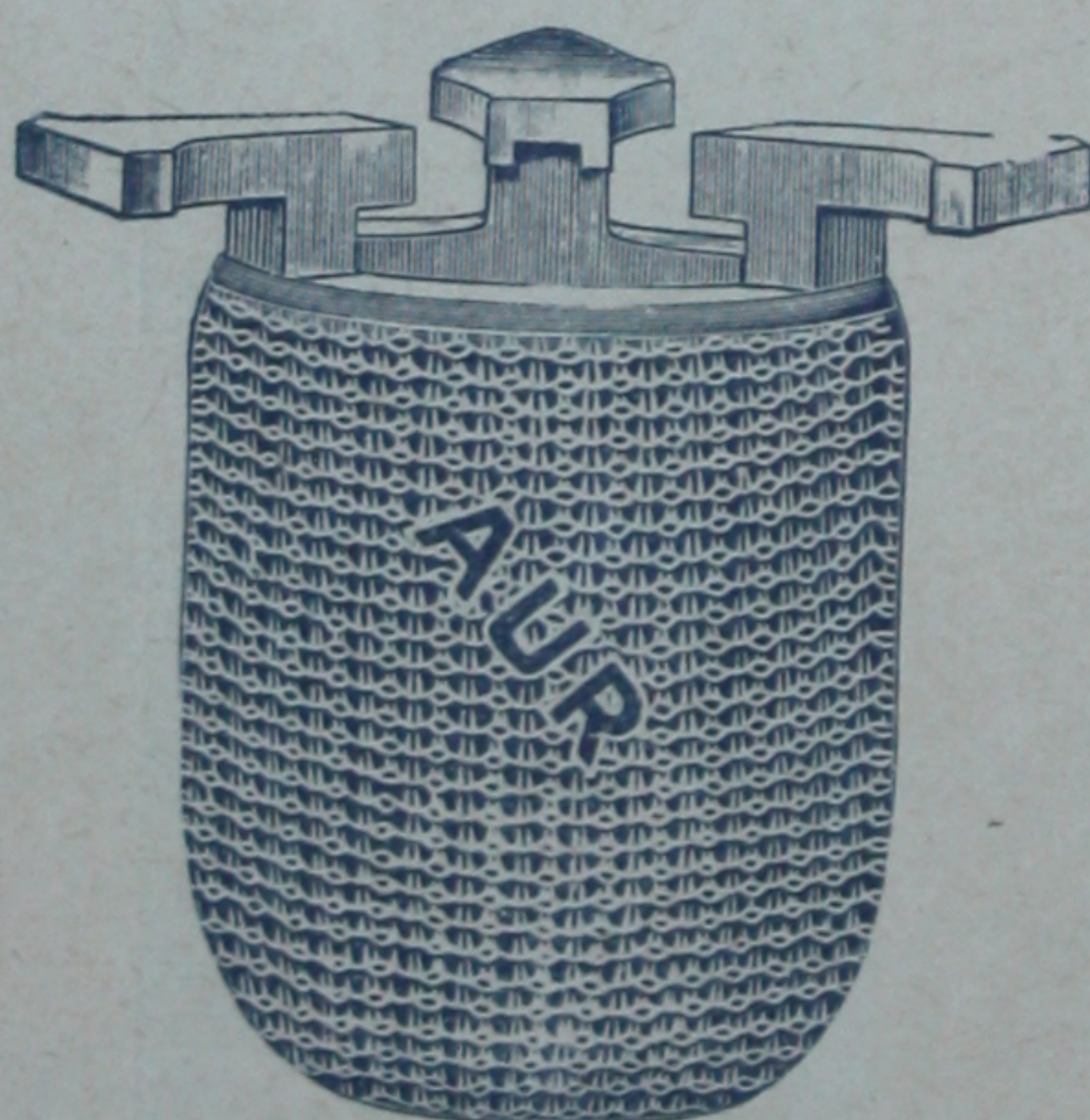
78/- per gross.

72/- per gross by 7-gross lots.

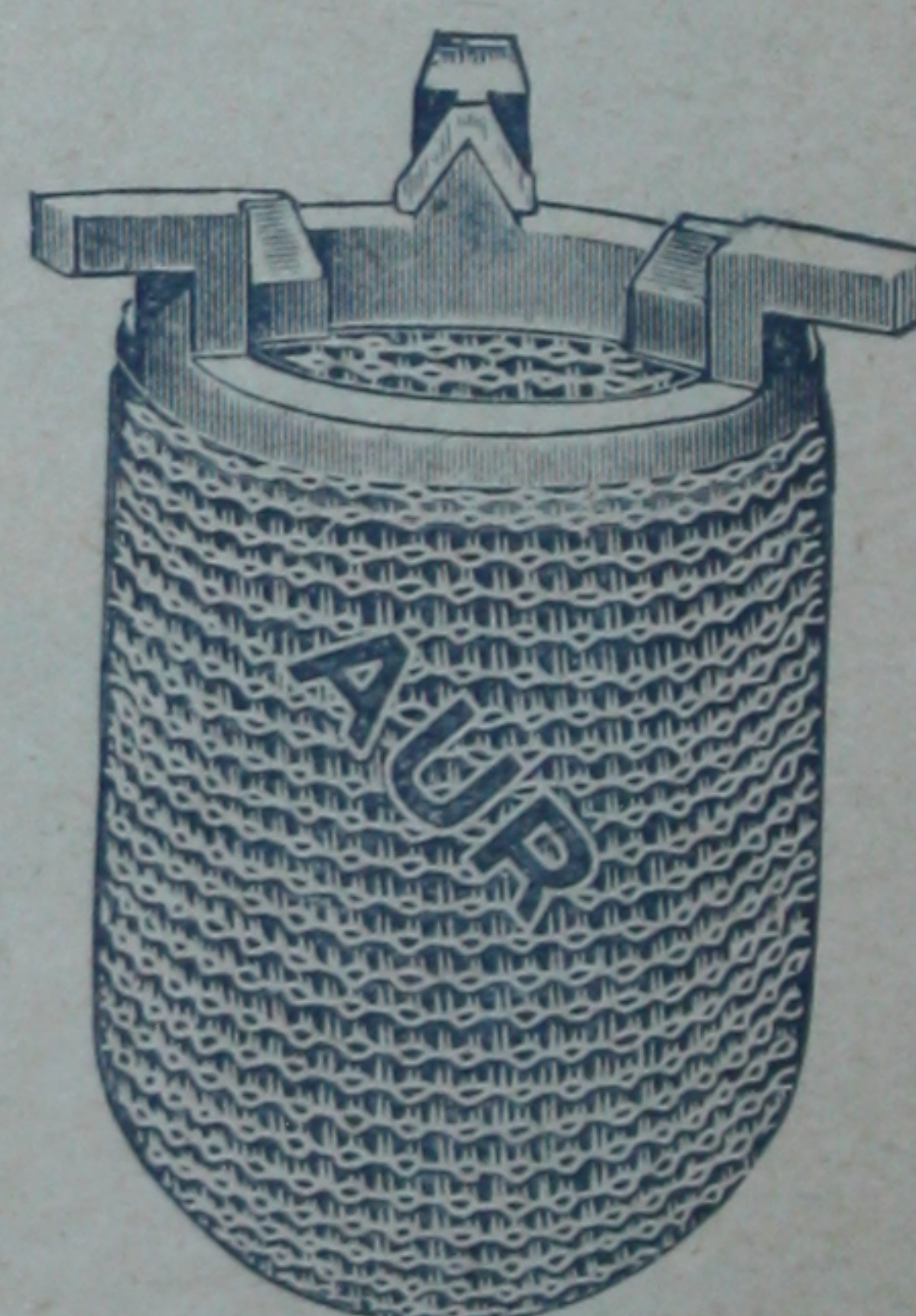
WELSBACH INVERTED MANTLES, Types D, E, F, G, H, J and K, are retailed to the public at 4½d. each, or 4/3 per dozen.



Type G, for Graetzin



Type H, for Bland.



Type K, for "Nico."



Type J.
For Intermediate
Burners. Bray No. 2,
"Nico," No. 6, &c.
State make of Burner
when ordering as sizes
of Rings differ.

Welsbach Bijou Inverted Mantles.



Type L.
Finished.



Type M.
Finished.



Type L.
Soft.



Type M.
Soft.

FOR ALL BIJOU OR PETROL AIR GAS BURNERS.

State Make of Burner when ordering, as the Rings differ in size.

Welsbach Inverted Mantles, Types L and M (Finished), are retailed to the public at 4d. each or 3/9 per doz.

Trade Prices for Inverted Bijou & Petrol Air Gas Mantles.

Finished.

5/- per doz. 60/- per gross.

54/- per gross in 7-gross lots.

Soft Mantles.

3/4 per doz. 40/- per gross.

36/- per gross by 7-gross lots.



Welsbach Woven Premier Inverted Mantles.

Every Genuine Mantle bears the Trade Mark "AUR" and is British Made by British Labour.



Type W D.



Type W E.



Type W F.

Trade Prices for
**Welsbach
Woven Premier Inverted
Mantles.**

7/6 per doz., 90/- per gross.
84/- per gross by 7-gross lots.



Type W G, for Graetzin.



Type W H, for Bland.



Type W K, for "Nico."



Type W J.
For Intermediate Burners.
Bray No. 2,
"Nico" No. 6, &c.
State make of Burner
when ordering, as sizes
of rings differ.

The above Welsbach Woven Premier Mantles are retailed to the public at 6d. each, or 5/6 per doz.

Welsbach Woven Premier Inverted Bijou Mantles.



Type W L.



Type W M.

Trade Prices for
**Welsbach Woven Premier Inverted
Bijou Mantles.**

6/- per doz. 72/- per gross.
66/- per gross by 7-gross lots.

These Woven Bijou Mantles are retailed to
the public at 5d. each, or 4/6 per doz.

WELSBACH LIGHT



No. 7000.

Soft Self-Shaping Welsbach Inverted Mantles.

BRITISH MADE.

Can be handled without any risk of breakage, and are specially suitable for export.

No. W7000.

High-Pressure Inverted Mantles for Welsbach-Pharos, Keith and other Systems. State System in use, when ordering, as Rings differ.

Size.				
45 c.p.	...	5/6	per doz.	5/3 per doz. by gross lots
60 "	...	5/6	"	5/3 " "
90 "	...			
100 "	...			
300 "	...	6/6	"	6/3 " "
500 "	...	7/6	"	7/3 " "
1,000 "	...	12/6	"	12/- " "
1,500 "	...	14/-	"	13/- " "

Double High-Pressure Mantles made to Customer's order at Special Prices.



No. 7100.

No. W7100.

Soft Inverted Mantles for Welsbach-Kern, Nico, Bray, etc.

Please state Ring required (see page 14).

44/- per gross.

40/- per gross by 7-gross lots.

No. W7200.

Soft Bijou Mantles for Welsbach-Kern, Nico, Bray, etc., and for all Petrol Air Gas Burners.

40/- per gross.

36/- per gross by 7-gross lots.

For SELAS, 80 c.p., 44/- per gross, 40/- per gross by 7-gross lots.



No. 7200.



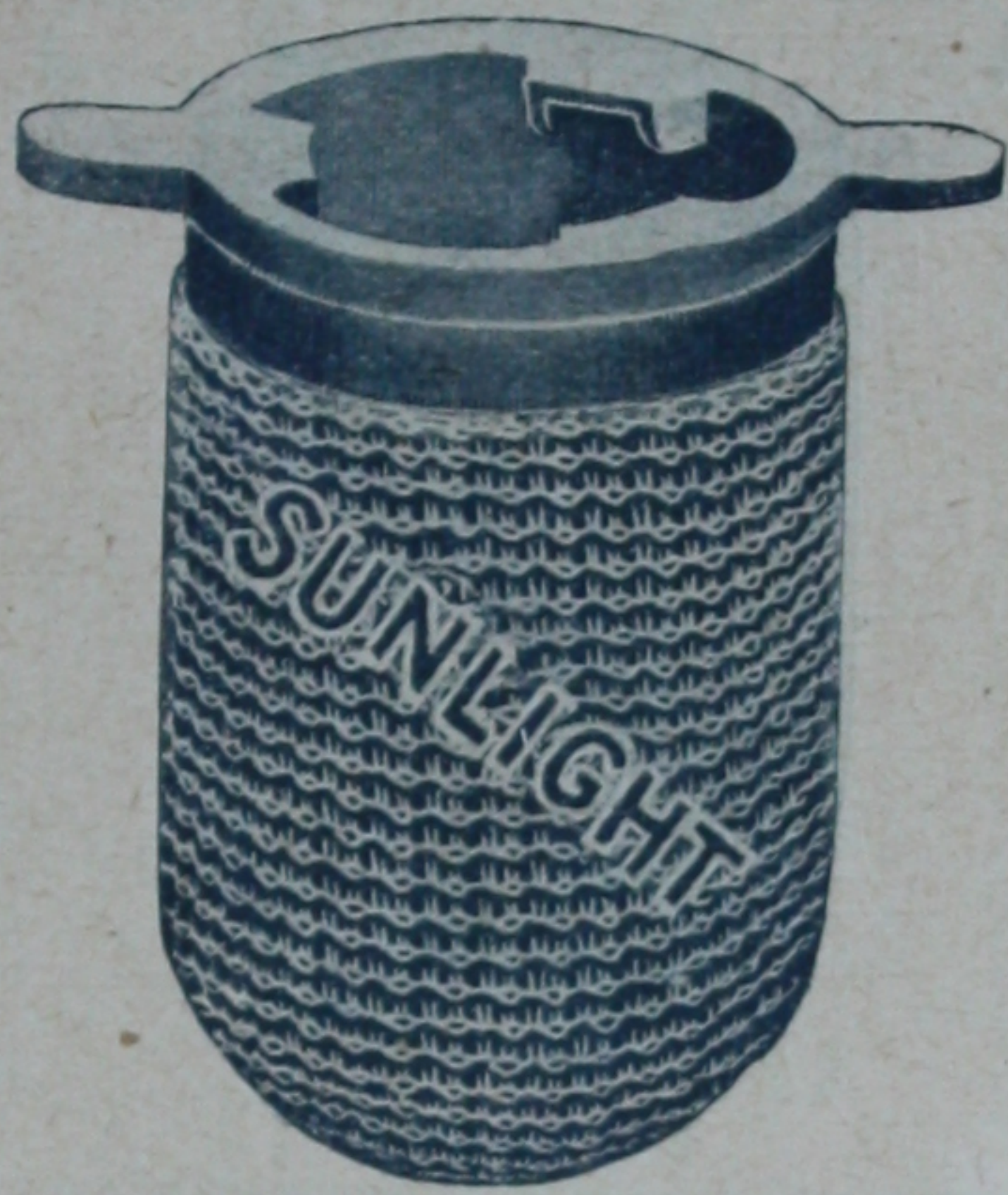
"Sunlight" Inverted Mantles.

(BRITISH MADE.)

Sold by The Welsbach Company as Agents for New Sunlight Incandescent Company (1900), Ltd.



Type N.



Type O.



Type P.



Type R.
For Graetzin.



Type S.
For Bland.

Trade Prices for Double Knitted Ramie Fabric.

Full Size and Intermediate.
Types I, N, O, P, and S.

5/- per dozen. 60/- per gross.
54/- per gross, in 7-gross lots.

Type R, for Graetzin.
5/2 per doz. 62/- per gross.
56/- per gross, in 7-gross lots.



Type T.



Type T2.



Type I.

For Intermediate Burners,
Bray No. 2, Nico No. 6, etc.
State make of Burner when
ordering.

Trade Prices for Bijou or for Petrol-Air Gas Mantles.

Types T, T2.

4/6 per dozen.

54/- per gross.

48/- per gross, in 7-gross lots.

Special Quotations on request for Inverted Mantles,
to bear Customers' own Marks and Labels.



Gladiator Inverted Mantles.

(BRITISH MADE.)

Sold by The Welsbach Company as Agents for New Sunlight Incandescent Company (1900), Ltd.



Type U.



Type V.



Type W.



Type X.
For Graetzin.



Type Y.
For Bland.



Type Z.
For Intermediate Burners.
Bray No. 2, Nico No. 6, etc.
State make of Burner when
ordering.



Type AG.



Type BG.

Prices for . . . Double Knitted Ramie.

Light Impregnation.

Full Size (No. 1) & Intermediate (No. 2).

Types U, V, W, Y, and Z.

4/6 per dozen. 54/- per gross.

48/- per gross, in 7-gross lots.

Type X, for Graetzin.

4/8 per dozen. 56/- per gross.

50/- per gross, in 7-gross lots.

Prices for . . . Bijou or Petrol-Air Gas Mantles.

Light Impregnation.

Types AG and BG.

4/- per dozen.

48/- per gross.

45/- per gross, in 7-gross lots.

State make of Burner when ordering.

Special quotations on request, for Inverted Mantles, to bear Customers' own
Marks and Labels.

WELSBACH LIGHT

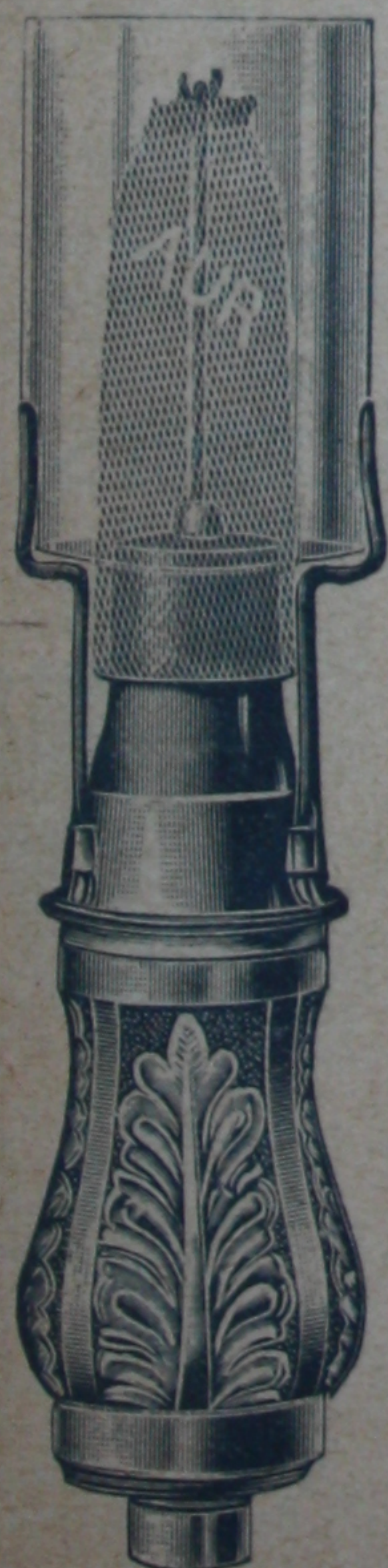
Welsbach-Kern Burners.

(BRITISH MADE.)

THE WELSBACH-KERN BURNER is of the highest lighting efficiency, giving considerably **MORE LIGHT** per cubic foot of gas than the "C" type, and has the important advantage that **NO CHIMNEY IS REQUIRED**. It is made in several sizes to suit varied purposes, the smaller for use where it is desired to have a number of lights for general effect, and the larger for units of greater brilliancy. Many millions of Kern Burners are in use, and probably 75 per cent. of the street lighting in the United Kingdom owes its success to the Welsbach-Kern Burner.



Ordinary Kern Burner, Showing Sheath No. W5014.



Welsbach-Kern Antivibrator Burner.

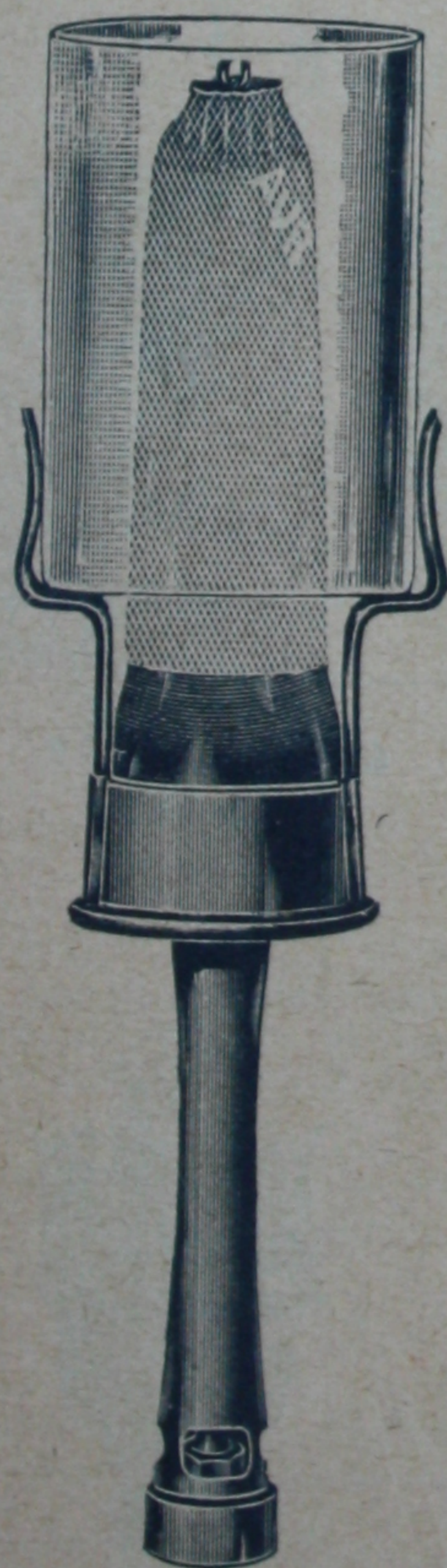
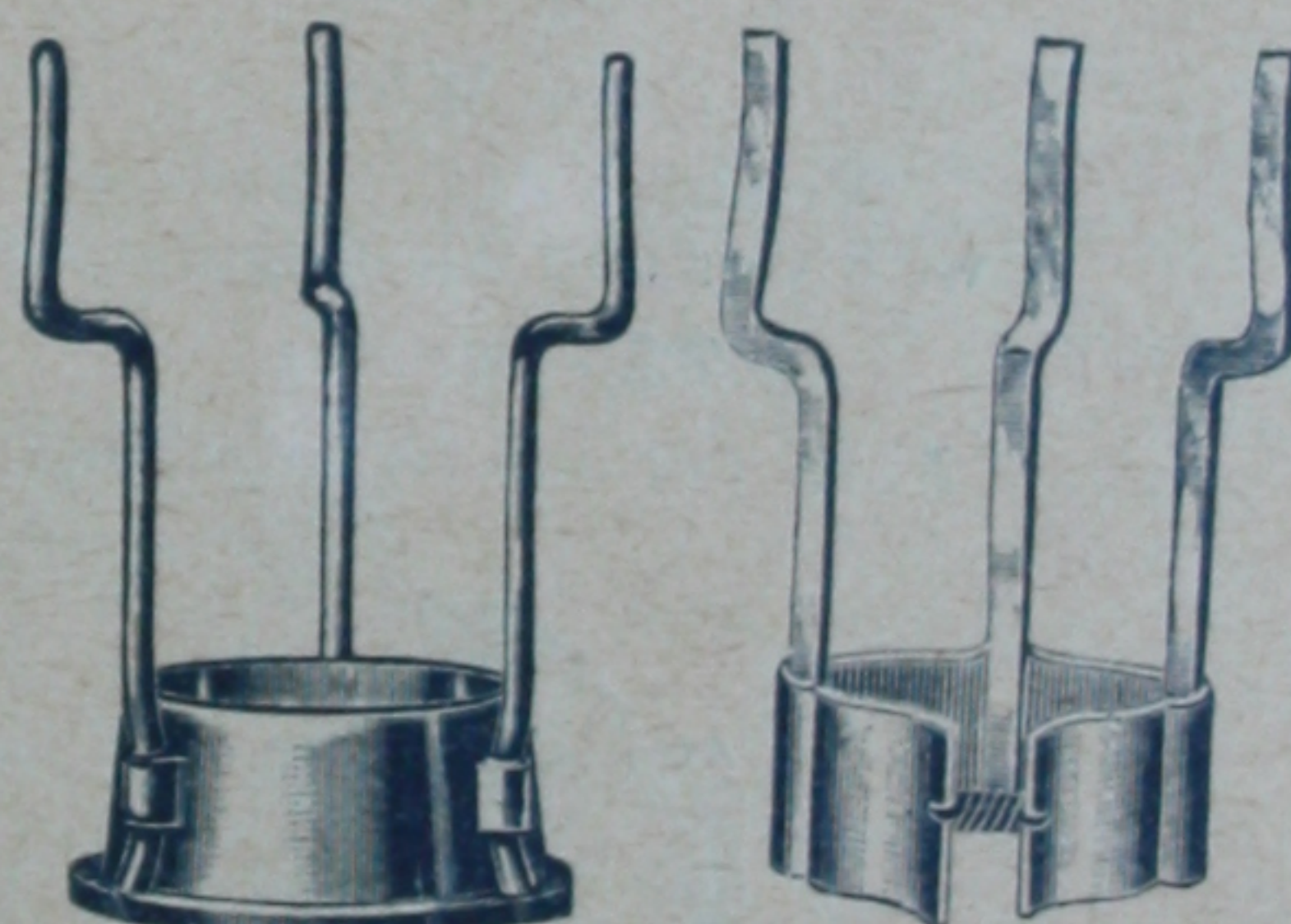


Fig. W10. Showing Glass Mantle Protector Holder.



Fig. W11. Showing Globe Ring.



No. W5013. No. W5013A. Mantle Protector Holders.

For Welsbach-Kern Burner.

For Burner No. 2	...	...	7d. each.	
"	"	3	...	8d. "
"	"	4	...	9d. "
"	"	7	...	1/6 "



No. W5008.

Kern Globe Rings.

No. 1.	2.	3.	4.	7.
5/-	5/-	5/-	6/-	12/- doz.

Size.	Candle Power (about).	Gas Consumption per hour in cubic feet.	BURNERS ONLY.			
			With Sheath, No. W5014.	Fig. W10, with Protector Holder.	Fig. W11, with Globe Ring.	Stripped, without Glass Holder.
No. 0 ...	20	$\frac{3}{4}$	3/4	—	—	2/6
1 ...	30	$1\frac{1}{4}$	3/4	—	2/11	2/6
2 ...	50	$2\frac{1}{4}$	3/4	3/1	2/11	2/6
3 ...	75	3	4/-	3/10	3/7	3/2
4 ...	100	4	5/4	4/9	4/6	4/-

Kern Burners Nos. 2, 3, and 4 fitted with Air Regulators without extra charge if specified when Burners are ordered.

Extras on any of above Kern Burners:—By-Pass, 1/8; By-Pass with Double Levers and Chains, 2/2; Gas Regulators Nos. 2, 3 and 4, 6d. each.



By-Pass Kern Burner WELSBACH-KERN BURNERS No. 7.

Occasionally employed for public lighting. Seven feet of gas per hour. No ornamental sheath. Burner, with Fig. W10 Holder, 10/8 each. Burner, with Fig. W11 Ring, 10/2 each. Burner Stripped, 9/2 each. By-Pass, 3/- extra. By-Pass with Lever and Chains, 4/- extra. Air Regulator, 4d. extra. Gas Regulator, 2/- extra.



No. W5014.

Polished

Brass Globe Holders. To fit "Kern" Burners.

For Burner No. 0	...	10d.
"	1	each
"	2	each
"	3	each
"	4	1/4 each
C Sheath for Nos. 2 and 3,		10d. each.
Sheath not made for No. 7		

WELSBACH-KERN ANTIVIBRATOR BURNERS.

Supplied in Sizes Nos. 2, 3, and 4. Candle powers and consumptions as above. This device cannot be fitted to the standard pattern Kern Burners. The Burners must be specially ordered, at a cost of 3/- each extra over above prices for Kern Burners with Sheaths.

WELSBACH LIGHT

Welsbach "C" Burners.

Highest Quality, with heavy cast nipple and steatite head ring.

Lighting Power Averages 60 Candles.

Consumption about 3½ cubic feet of gas per hour.

MANY MILLIONS IN USE.

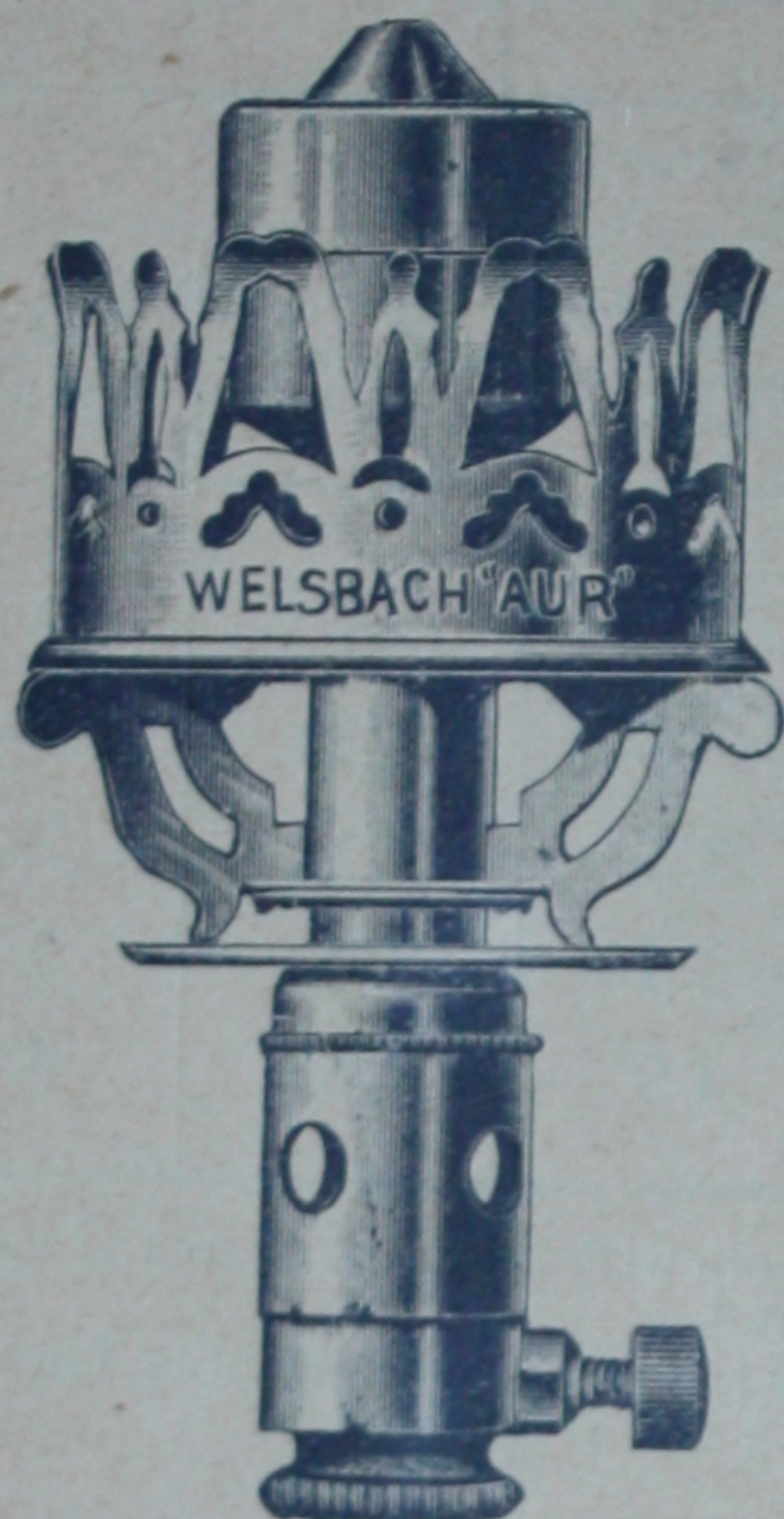


No. W106.

Welsbach "C" Burner,
with Air Regulator.

16/- per doz.

15/6 per doz. by gross
lots.

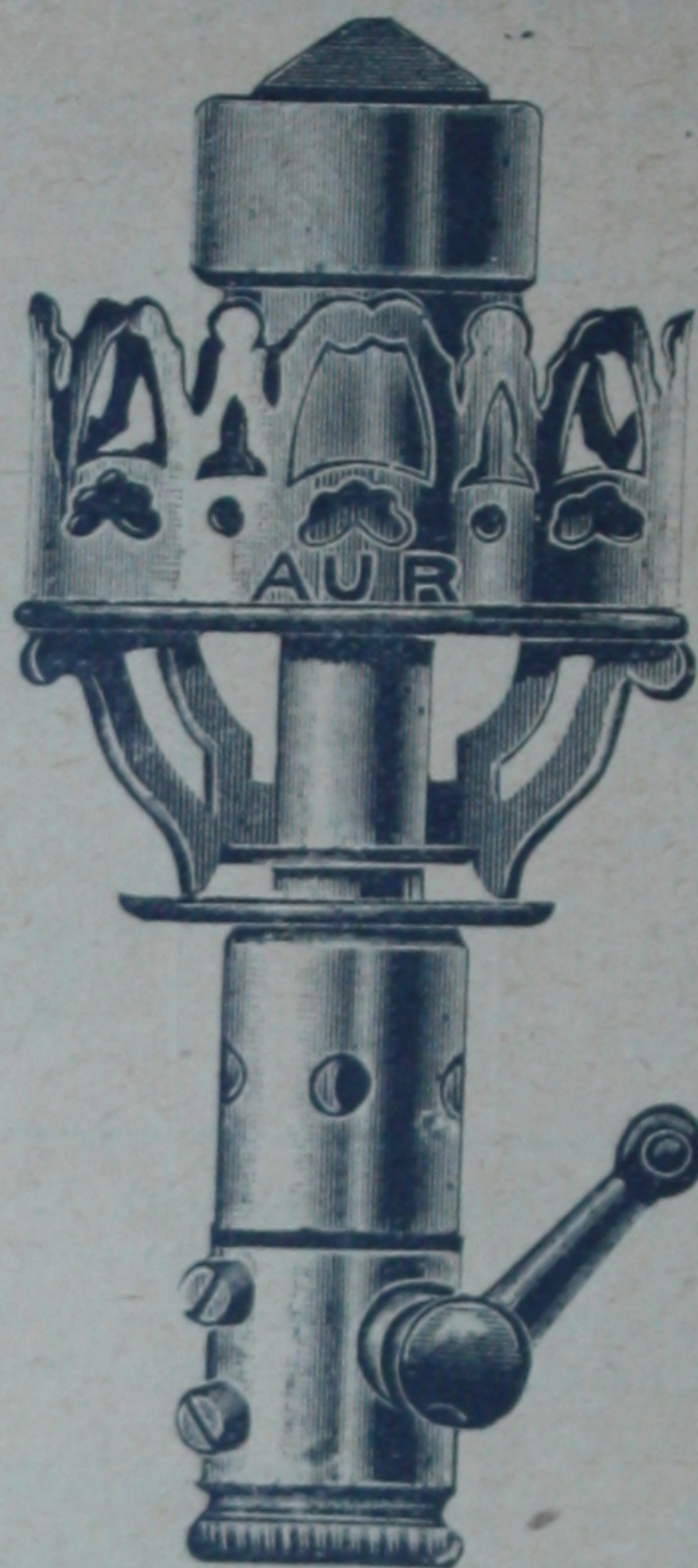


No. W107.

Welsbach "C" Burner,
with Gas and Air Regulators.

22/- per doz.

21/6 per doz. by gross lots.



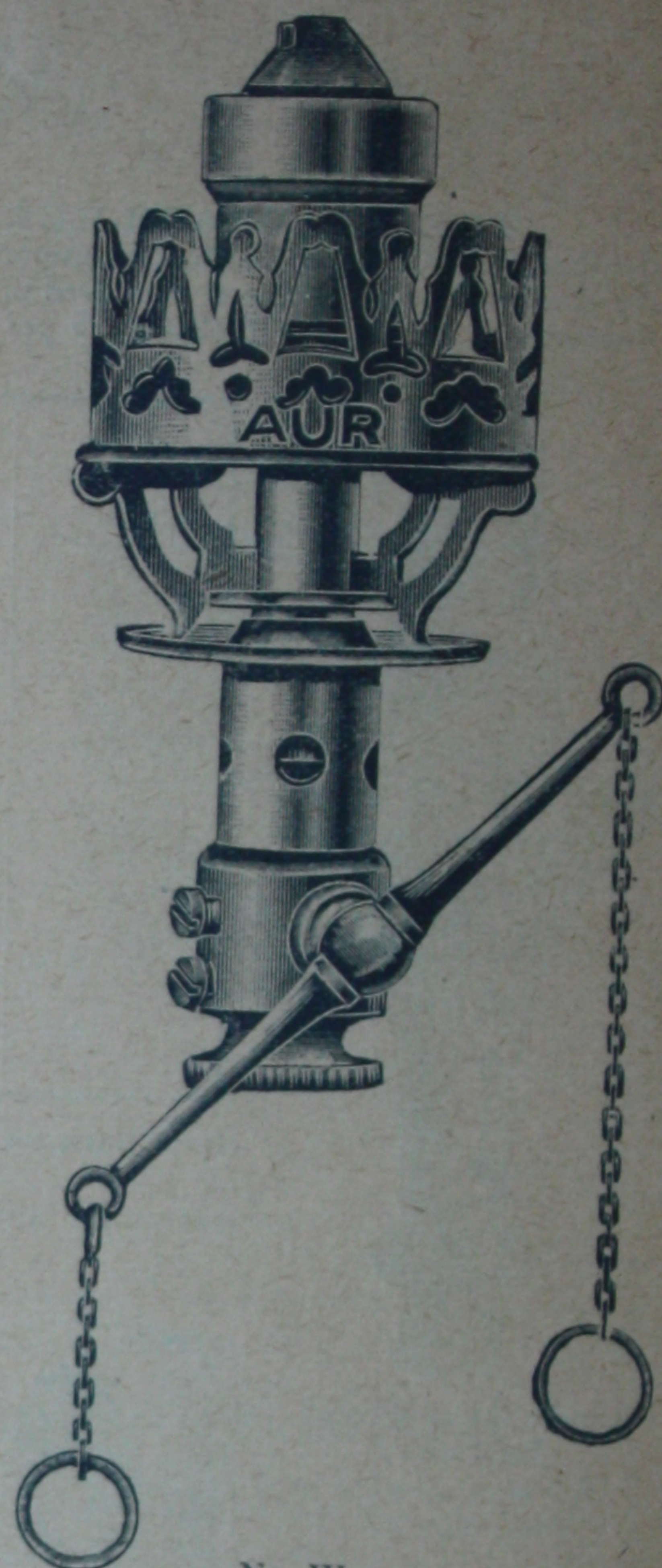
No. W108.

Welsbach "C" By-Pass
Burner, with Air Regulator.

34/- per doz.

33/- per doz. by gross lots.

No. W109.
As above, with Gas Regulator.
6/- per doz. extra.



No. W110.

Welsbach "C" By-Pass Burner,
with Air Regulator, and double
levers and chains.

40/- per doz.

38/- per doz. by gross lots.

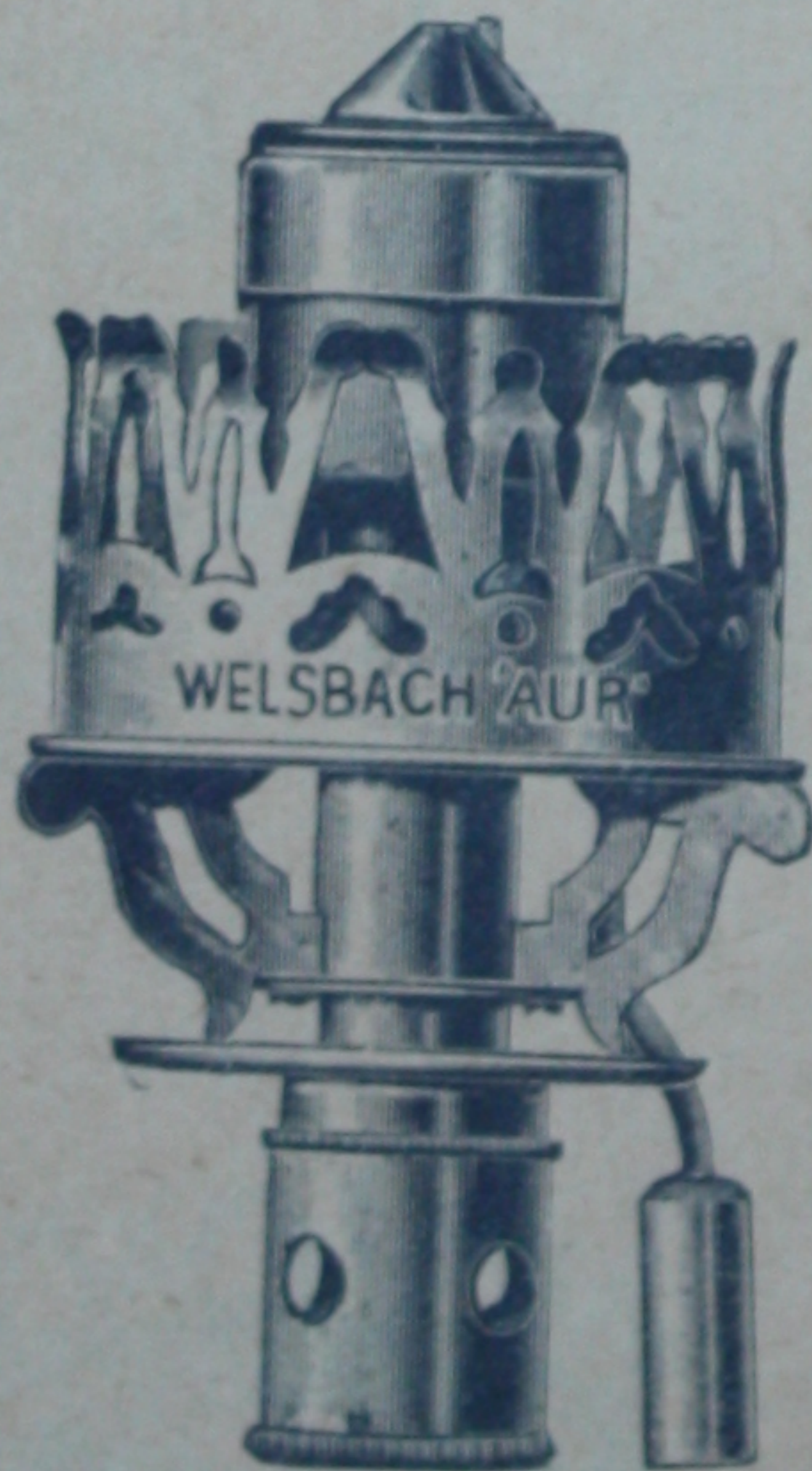
No. W111.
As above, with Gas Regulator.
6/- per doz. extra.



No. W112.

Welsbach "C" Antivibrator
Burner, with Air Regulator.

This device cannot be fitted
to the Standard pattern "C"
Burners. The Burners must be
specially ordered at a cost of
3/- each extra over the above
prices for
Welsbach "C" Burners.



No. W12A.

Welsbach Switch Burner, with
Air Regulator.

24/- per doz.

23/- per doz. by gross lots.

NOTE.

A gross lot of Welsbach
Burners may be made up of
all Burners shewn on this
page.

Welsbach "Gem" Burners.

Highest Quality.

Cast Nipple.

Steatite Ring.

40 Candle Power.

Consumes 1½ cubic feet
of gas per hour.

No. W113. 16/- per doz.

" W114. 34/- "

" W115. 40/- "



No. W113.

Welsbach "Gem"
Burner.



No. W114.

Welsbach "Gem"
By-Pass Burner.

No. W115.
With double
levers and chains.

WELSBACH LIGHT

Welsbach "Simplex" Burner (with Patent Non-corrosive Head).

For "C" Size Mantles.
Lighting power about 80 candles.

Equally efficient with or without Chimney.
Gas consumption about 4 cubic feet per hour.

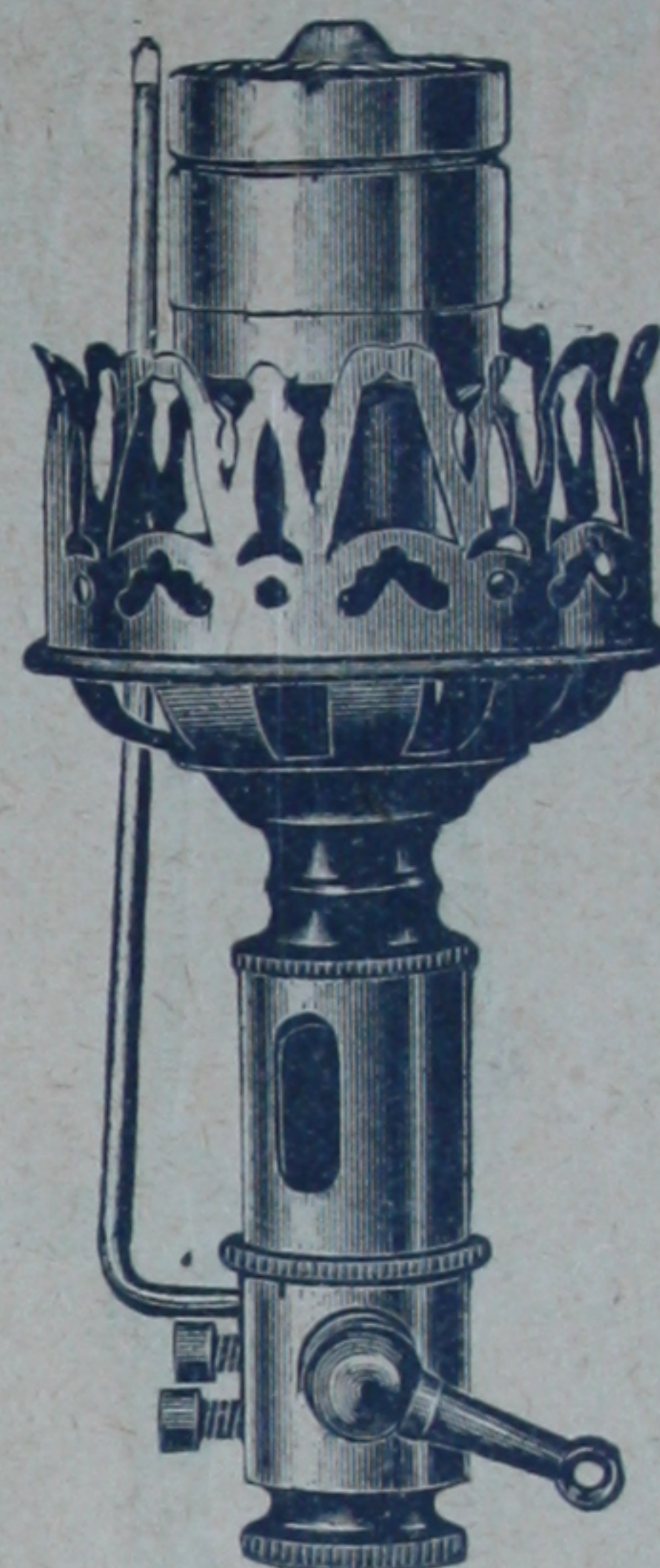
Both Burner Gallery and Burner Head are detachable, so that when the Burner requires cleaning it is simply necessary to lift off the Gallery complete and replace it, without damage to the Mantle, after blowing through the Burner.



No. W131.
Simplex Burner, with
Air Regulator, 9/- per doz.
8/- per doz. by gross lots.



No. W132.
Simplex Burner, with Gas
and Air Regulator, 17/- per doz.
15/6 per doz. by gross lots.



No. W133.
Simplex By-Pass Burner,
with Air Regulator.

Welsbach "C" Switch Clusters.

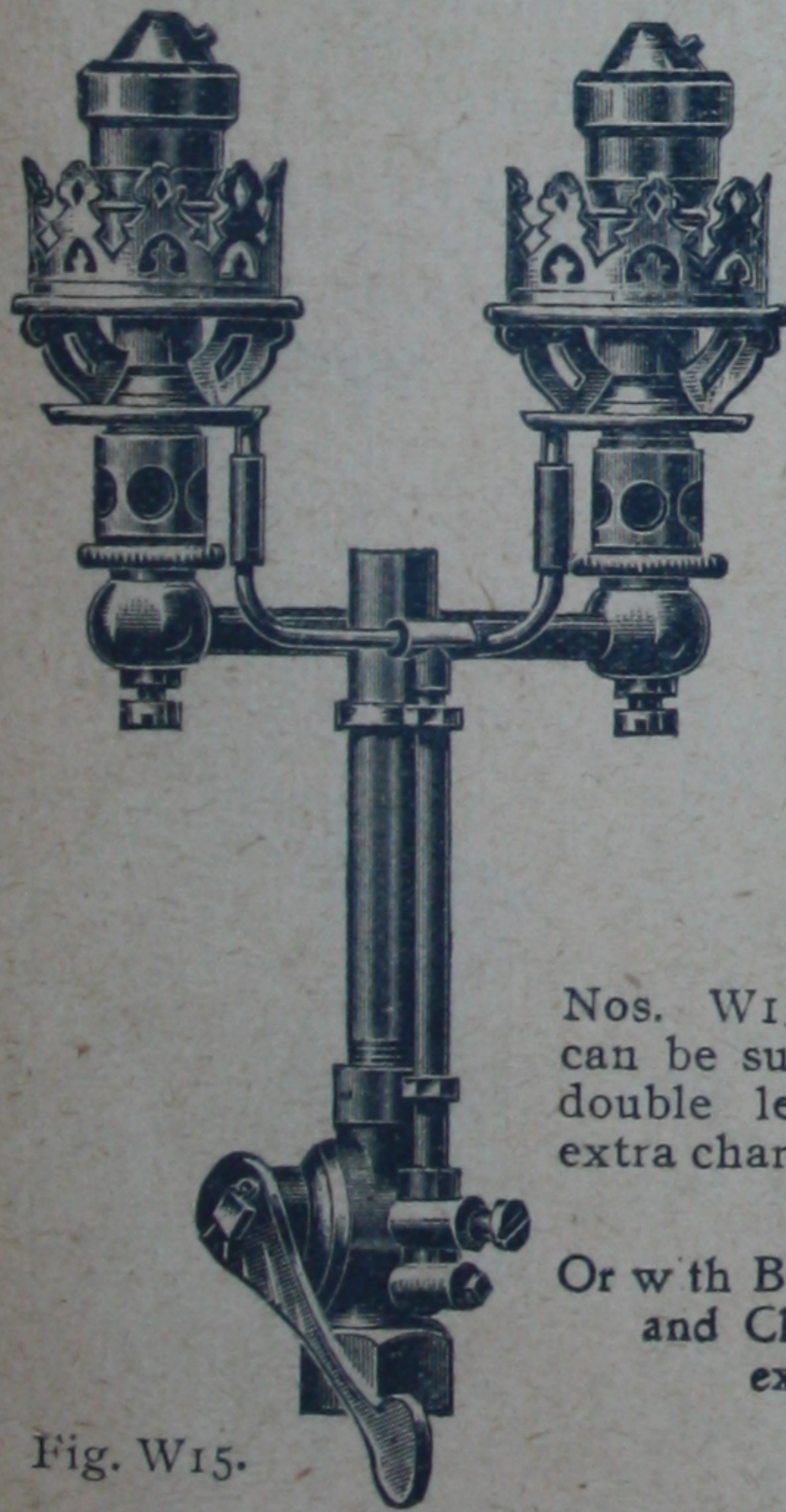


Fig. W15.

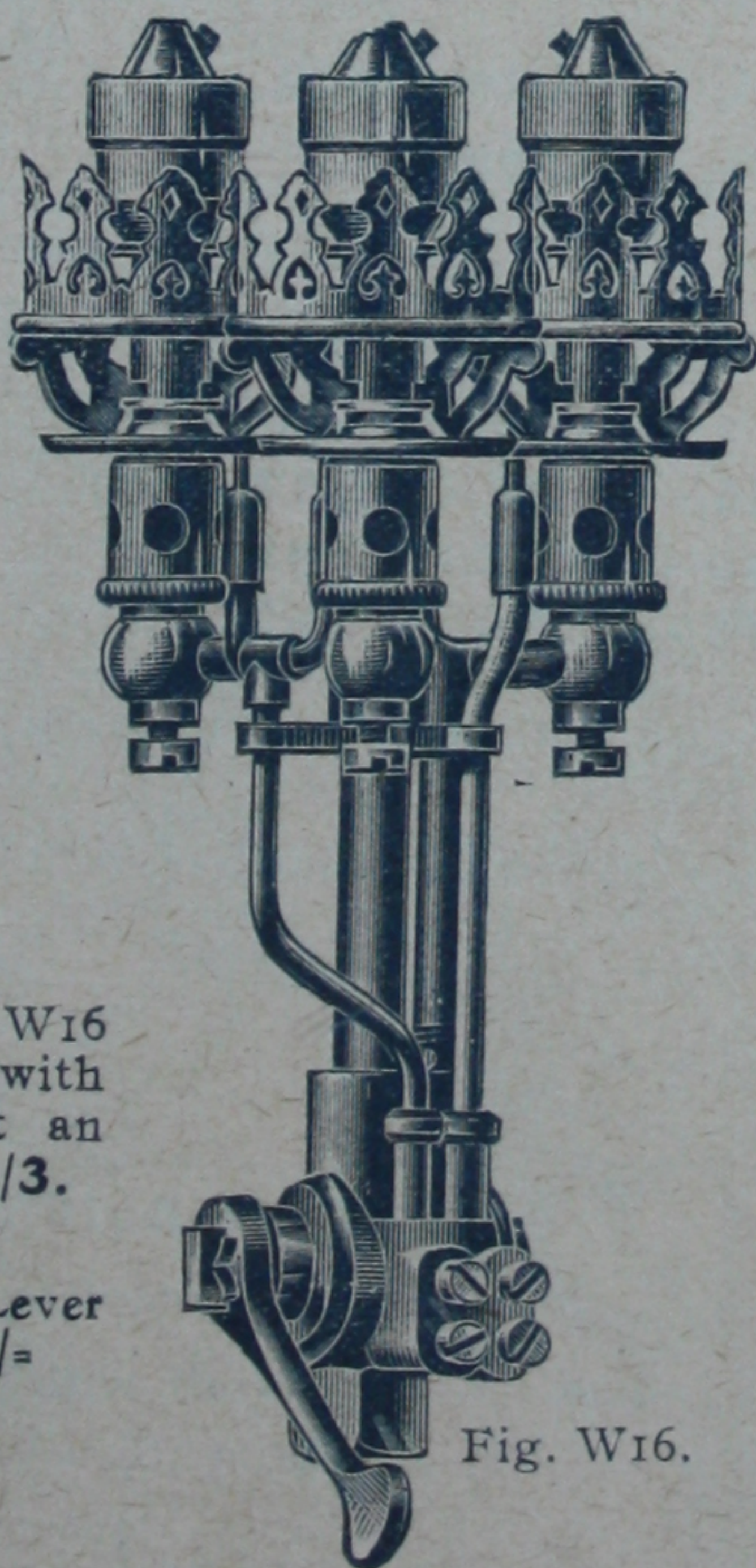


Fig. W16.

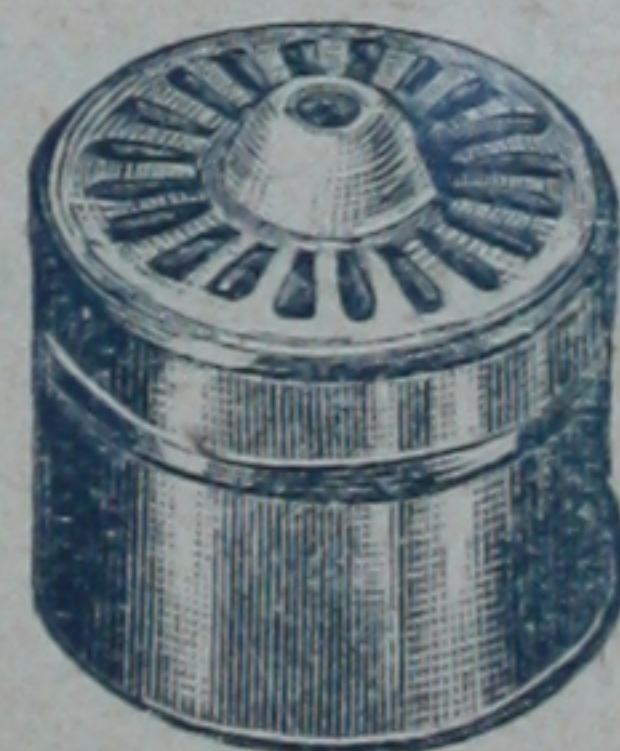
Nos. W15 and W16
can be supplied with
double levers at an
extra charge of 1/3.

Or with By-Pass Lever
and Chains, 2/-
extra.

Complete with Fig. W12a Switch By-Pass Burners, Mantles,
Chimneys, and Rods.

Fig. W15.	Two lights, both On or Off ...	21/- each
"	Three " " " " " " " " " "	28/- "
"	Four " " " " " " " " " "	35/- "
Fig. W16.	Two lights, 1 On and 1 Off, or both On or Off	27/- "
"	Three " 1 " 2 " all " "	35/- "
"	Four " 2 " 2 " " " "	42/- "

Similar Switch Clusters, for suspension, with main tap above, in
place of beneath the Burners, are supplied without extra charge,
if specified when ordering.



No. W122.
Simplex
Non-Corrosive
Burner Head.
Renewals 3d. each.

No. W133.
24/- per doz.
22/- per doz. by gross lots.

No. W134.
With Gas Regulator
and By-Pass,
32/- per doz.
30/- per doz. by gross lots.

No. W134a.
Double Levers and
Chains,
27/- per doz.
25/- per doz. by gross lots.
No. W134b.
With Gas Regulator,
By-Pass and Levers
and Chains,
35/- per doz.
33/- per doz. by gross lots.

Fig. W14 "C" Bulb Set.

Levers 3 1/2 ins. long.

3 3/4 feet of gas per hour, 60 c.p.
With 9-in. Chimney. 16 ins. over all.
7/- each.

With 7-in. Chimney. 14 ins. over all.
7/- each.

With Short Protector, see dotted line
on chimney, 11 ins. over all,
7/4 each.

The Set complete, as shewn.

Governor, 2/4 extra.

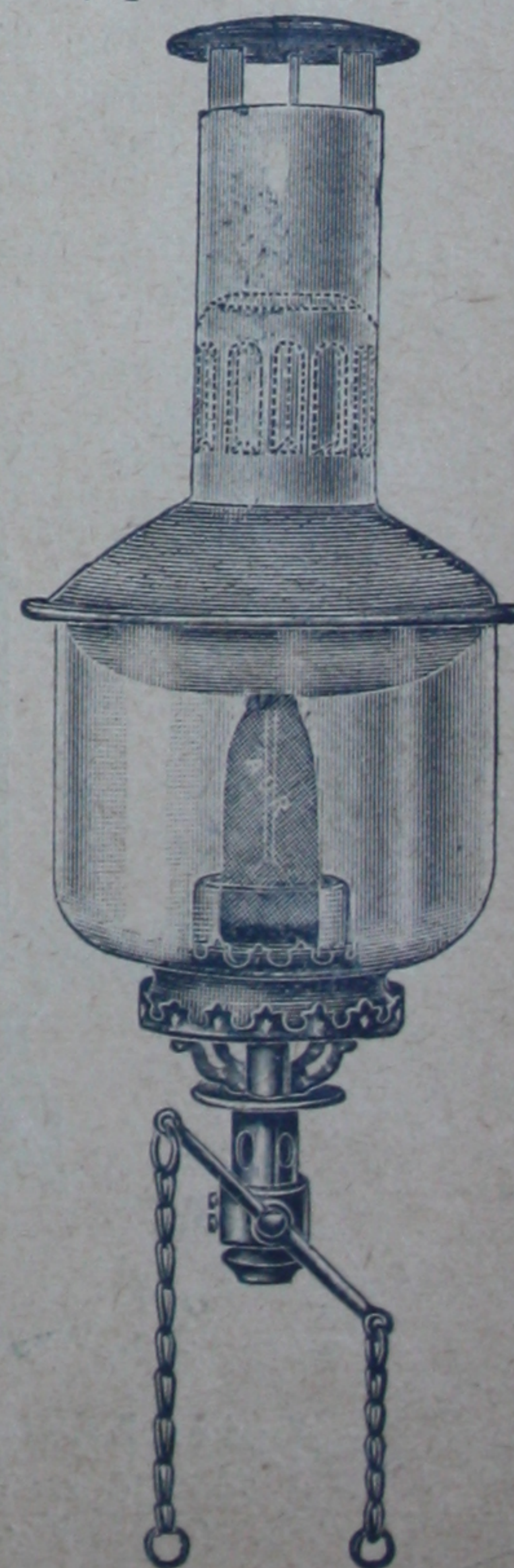


Fig. W14.

WELSBACH LIGHT

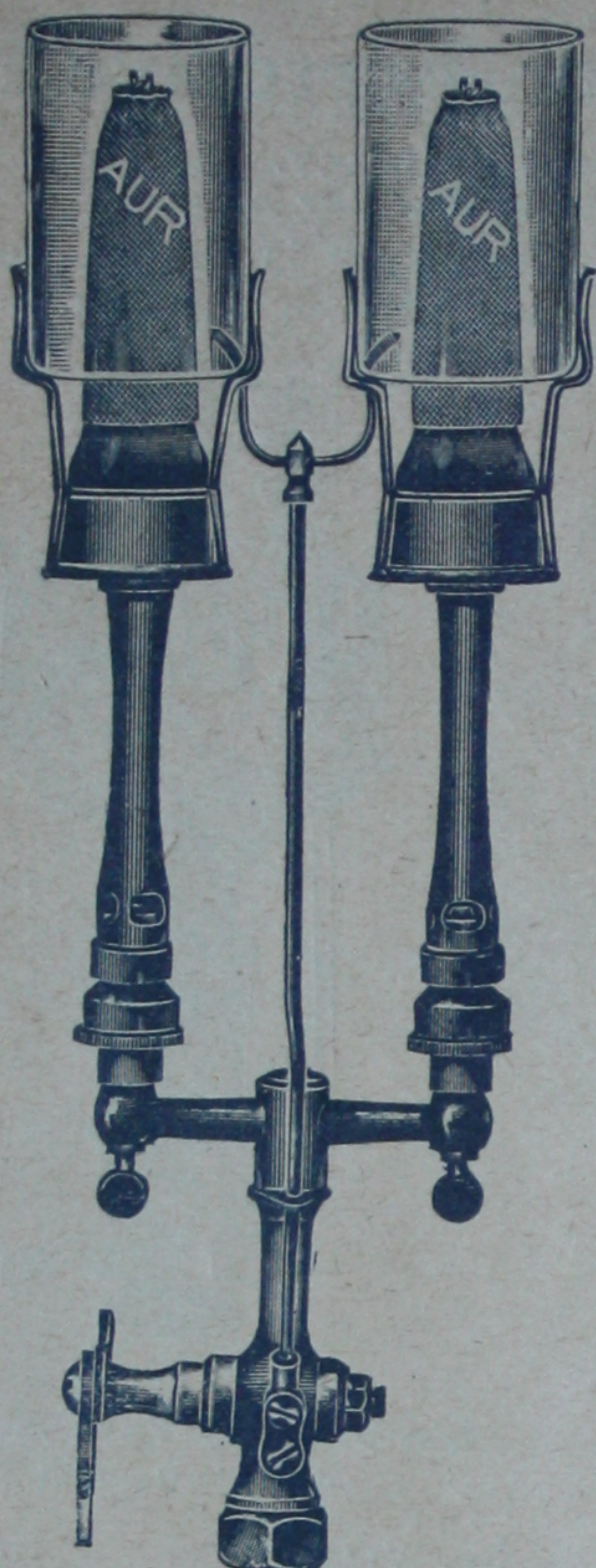


Fig. W18 Set.

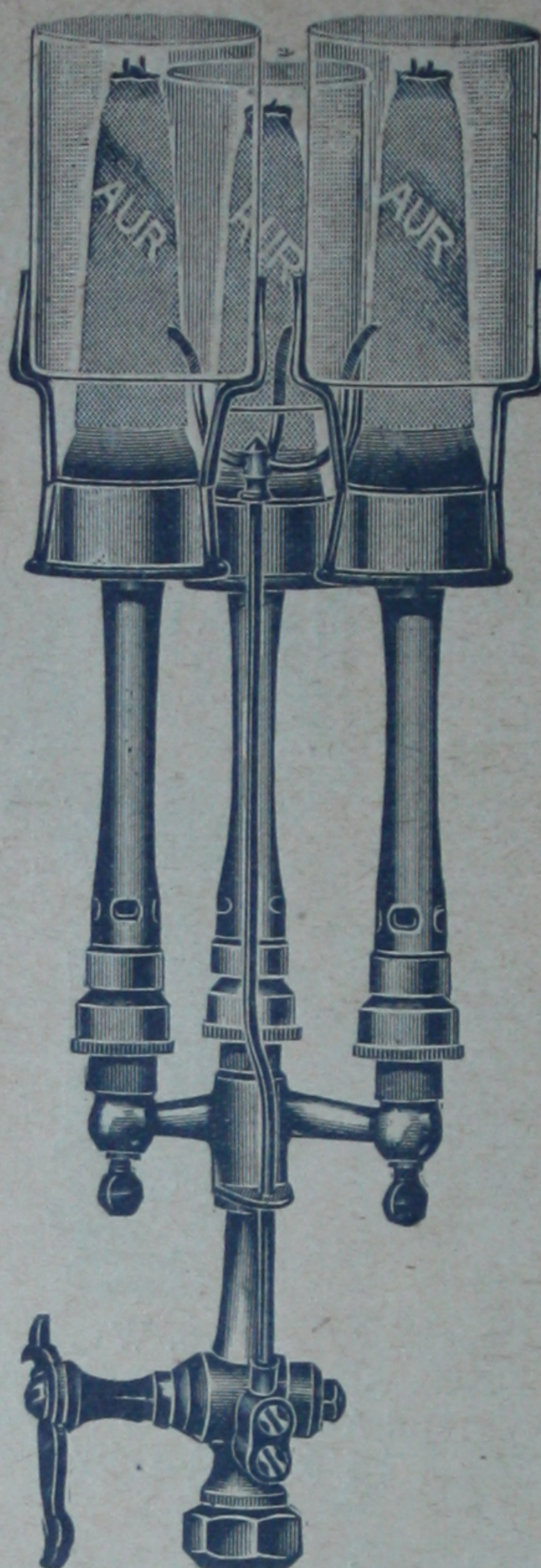


Fig. W18A Set.

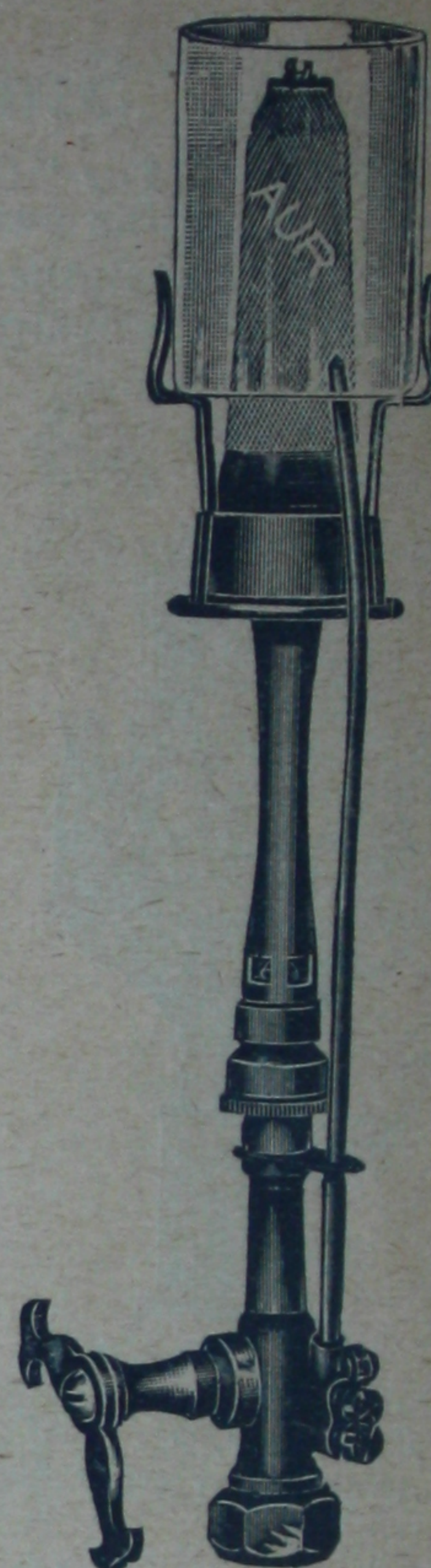


Fig. W20 Combination Set.

Welsbach-Kern Burner Clusters, comprising Auto By-Pass Cock, Governors, Kern Burners, Glasses and Holders, Mantles and Rods, as shewn.

Arranged for all lights on, or all off.

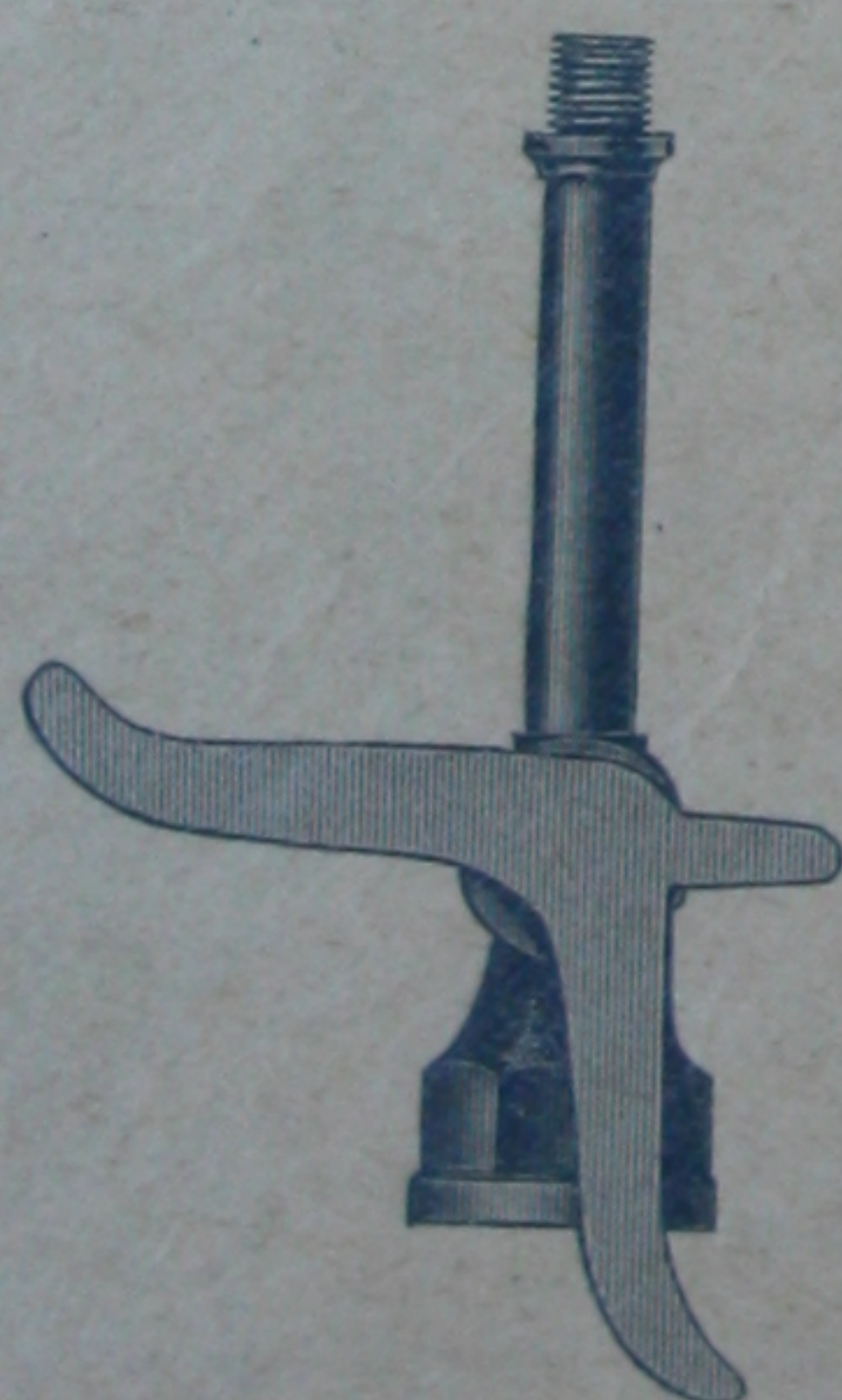
Comprising Auto By-Pass Cock, Governor, Kern Burner, Glass and Holder, Mantle and Rod as shewn.
Size Nos.... 2 3 4
Price ... 12/- 13/- 15/4 each.
Auto Cock only, with By-Pass Tube, 5/4 each.
With Clearing Plug, 8d. extra.

With Kern Burners, Size Nos.	...	...	...	2	3	4
Fig. W18	...	Price	...	26/=	27/=	32/= each.
Fig. W18A	...	"	...	36/=	38/=	45/= "
Fig. W18B	...	"	4-Light	46/=	50/=	62/= "

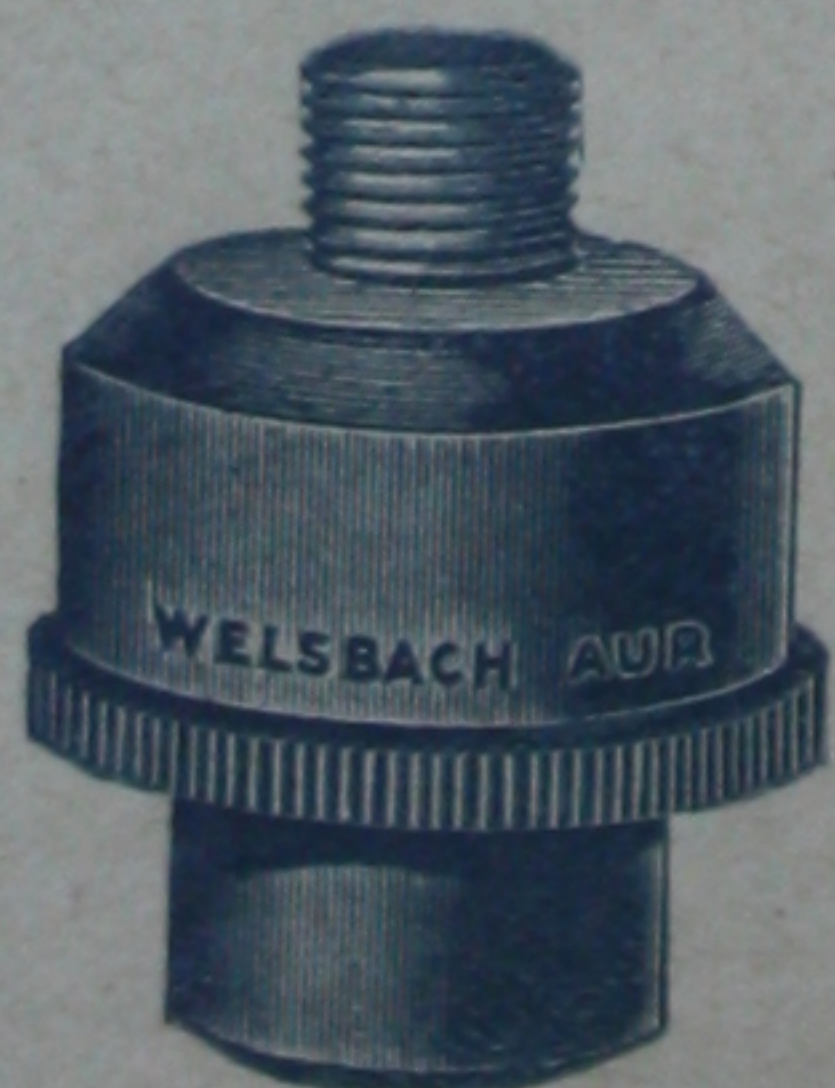
Cluster Sets, Figs. W18, W18A, and W18B, can be supplied at 11/- each extra, with midnight arrangement, so that one light may be left full on and the rest off, or all may be turned on or off at will.

Antivibrator Burners (see page 19) 3/- per Burner extra. Air Regulators free if specified when ordering.

Gas Regulators Nos. 2, 3 and 4, 6d. per Burner extra.



No. W2316.



No. W5010.

Lever Lantern Cock.

doz. 1/2-in. 36/- per doz. For ...

ing Plug, 8d. extra.

The Welsbach and Borradaile Governors.

C. & Nos. 2 & 3... 2/4 ea. 27/= } per doz.
No. 4 ... 3/4 ,, 39/= } by the gross.

Fig. W14A.

Kern Bulb By-Pass Set.

Complete as shewn.

Overall, with 7-in. Chimney,
No. 2 16 1/2-in. ... 9/9 each.

„ 3 17 1/2-in. ... 10/7 „

„ 4 18 1/2-in. ... 11/7 „

With Short Protector,
see dotted line on Chimney,
3-in. shorter in each instance,
and 4d. per Set extra.

Governor extra.

Nos. 2 and 3 ... 2/4 each.

No. 4 ... 3/4 „

Gas Consumption:

No. 2, 2 3/4 feet; No. 3, 3 feet;
No. 4, 4 feet per hour.

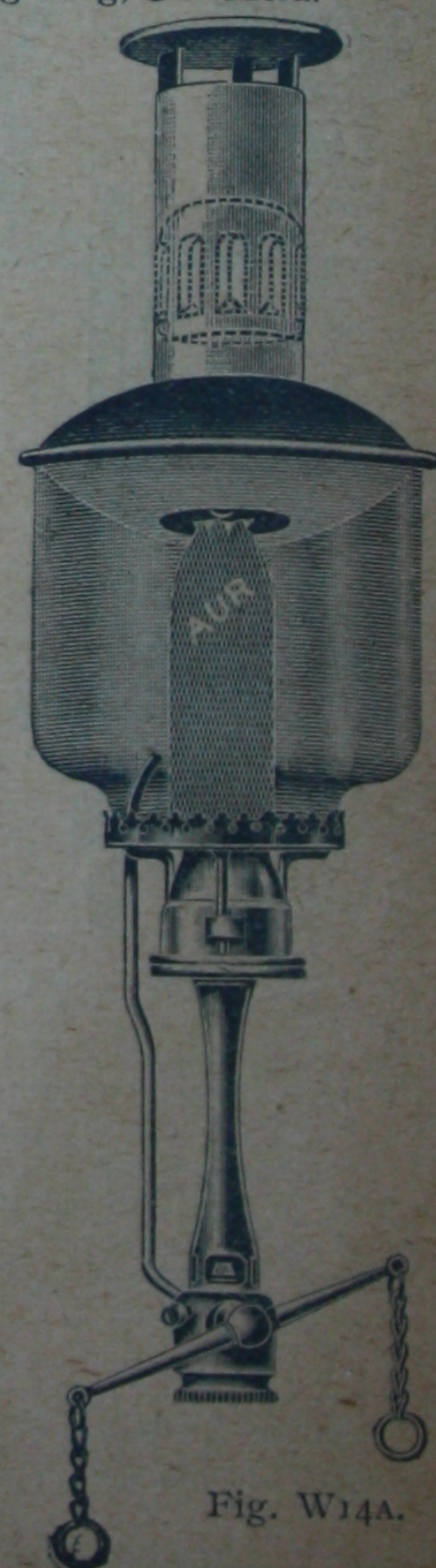


Fig. W14A.

WELSBACH LIGHT

POLISHED
BRASS.

Sunlight and Gladiator "C" Burners. HIGHLY FINISHED.

Sold by The Welsbach Company as Agents for New Sunlight Incandescent Company (1900) Ltd.



No. W460.

Polished.

Doz. Gross lots. 4/2 48/- gr.

No. W459.

Dipped.

Doz. Gross lots. 4/- 46/- gr.



No. W461.

Basket By-pass Burner.

15/- per doz.

12/6 per doz. by gross lots.

No. W462. With levers and Chains, 15/- per doz.

12/6 per doz. by gross lots.



No. W463.

Wire Top Burner.

4/6 per doz.

51/- per gross.



No. W464.

By-pass Burner.

16/- per doz.

14/- per doz. by gross lots.

W465. Levers and Chains, 16/- per doz.

14/- per doz. by gross lots.



No. W466.

Cast cone with stamped nipple — no steatite ...

Loose. doz.

Gross lots. doz.

6/2

5/10

W467 Cast cone with cast nipple—no steatite ...

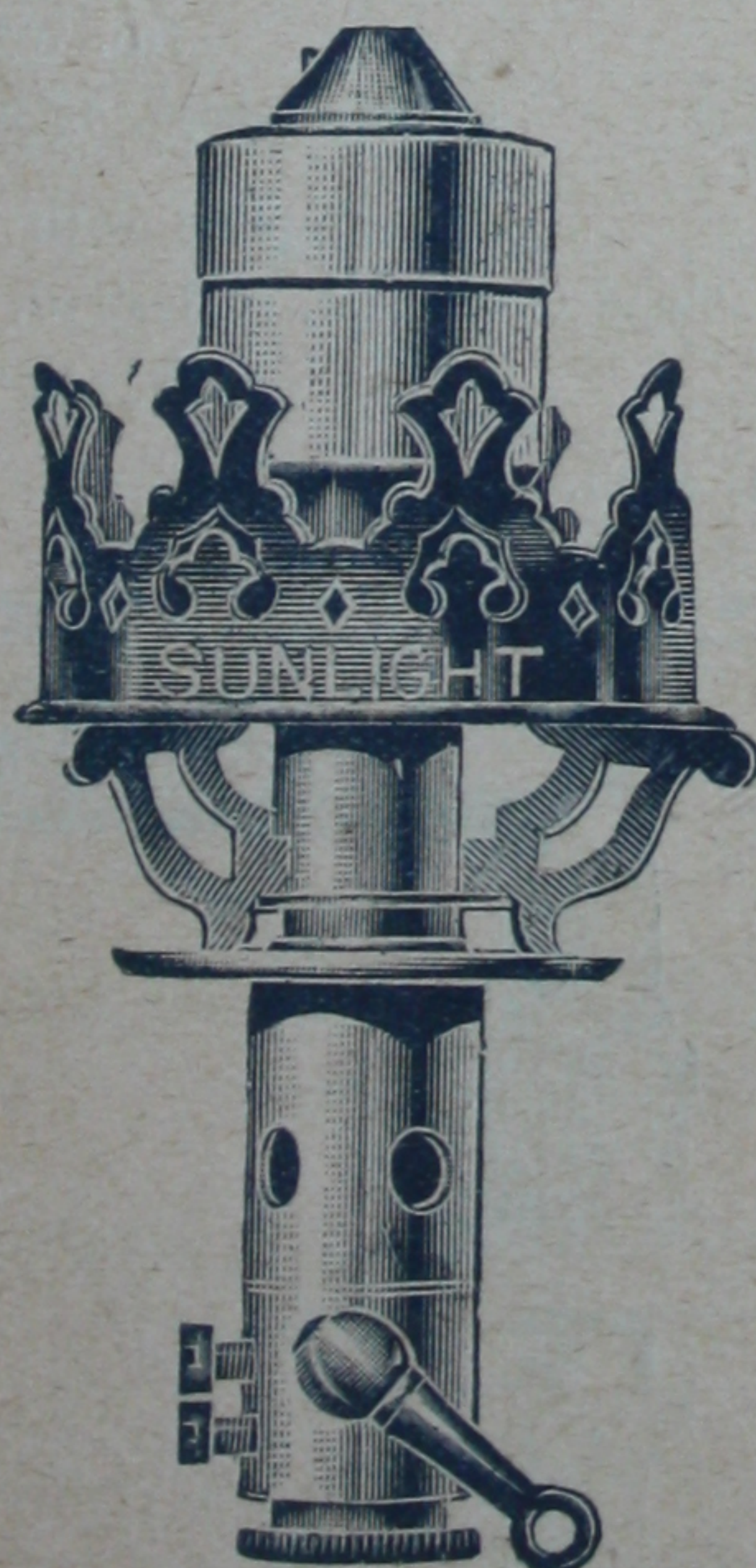
7/-

6/8



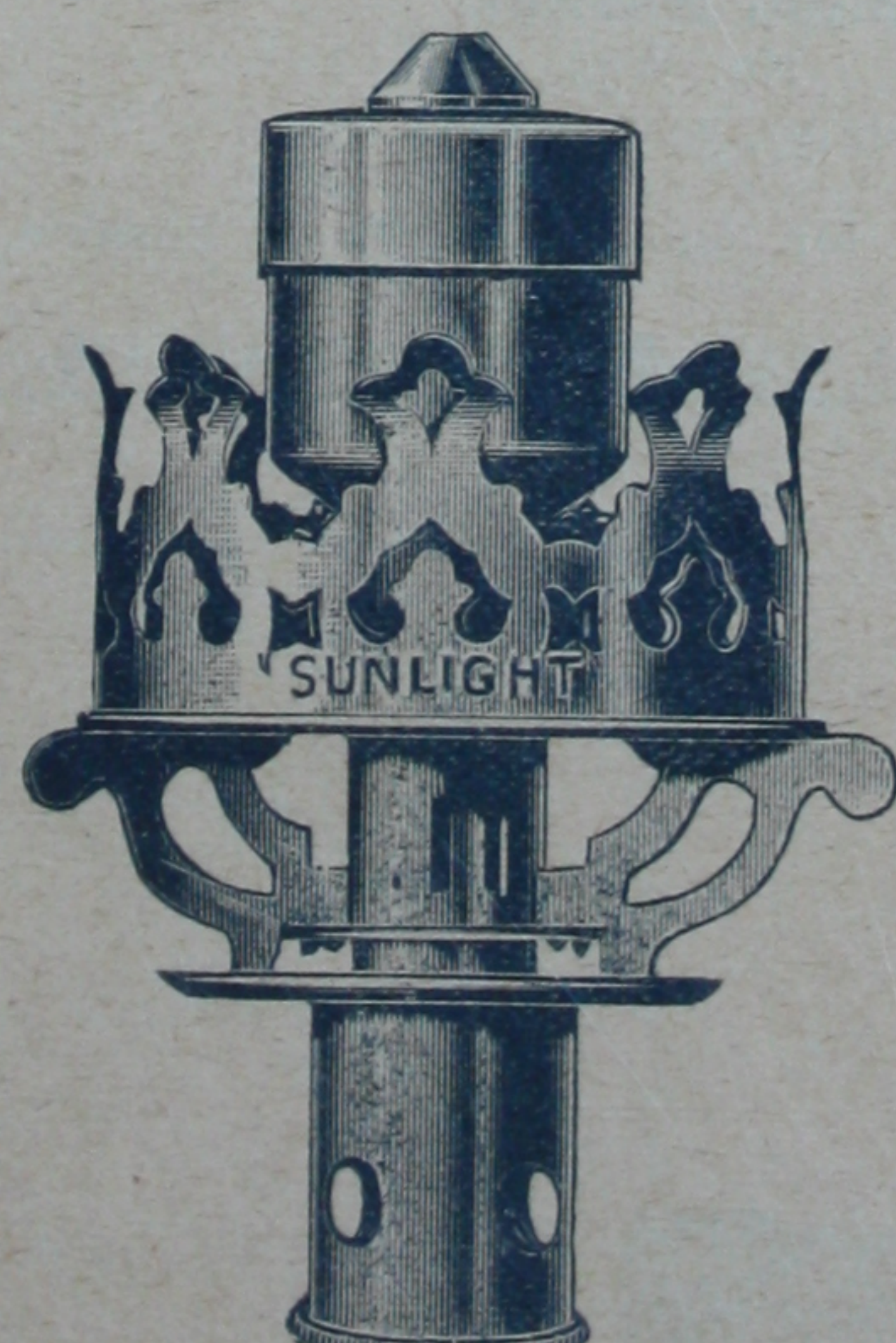
With steatite ring, cast cone and stamped nipple ... 8/6 8/-

With steatite ring, cast cone and cast nipple ... 9/6 9/-



By-pass Burner.

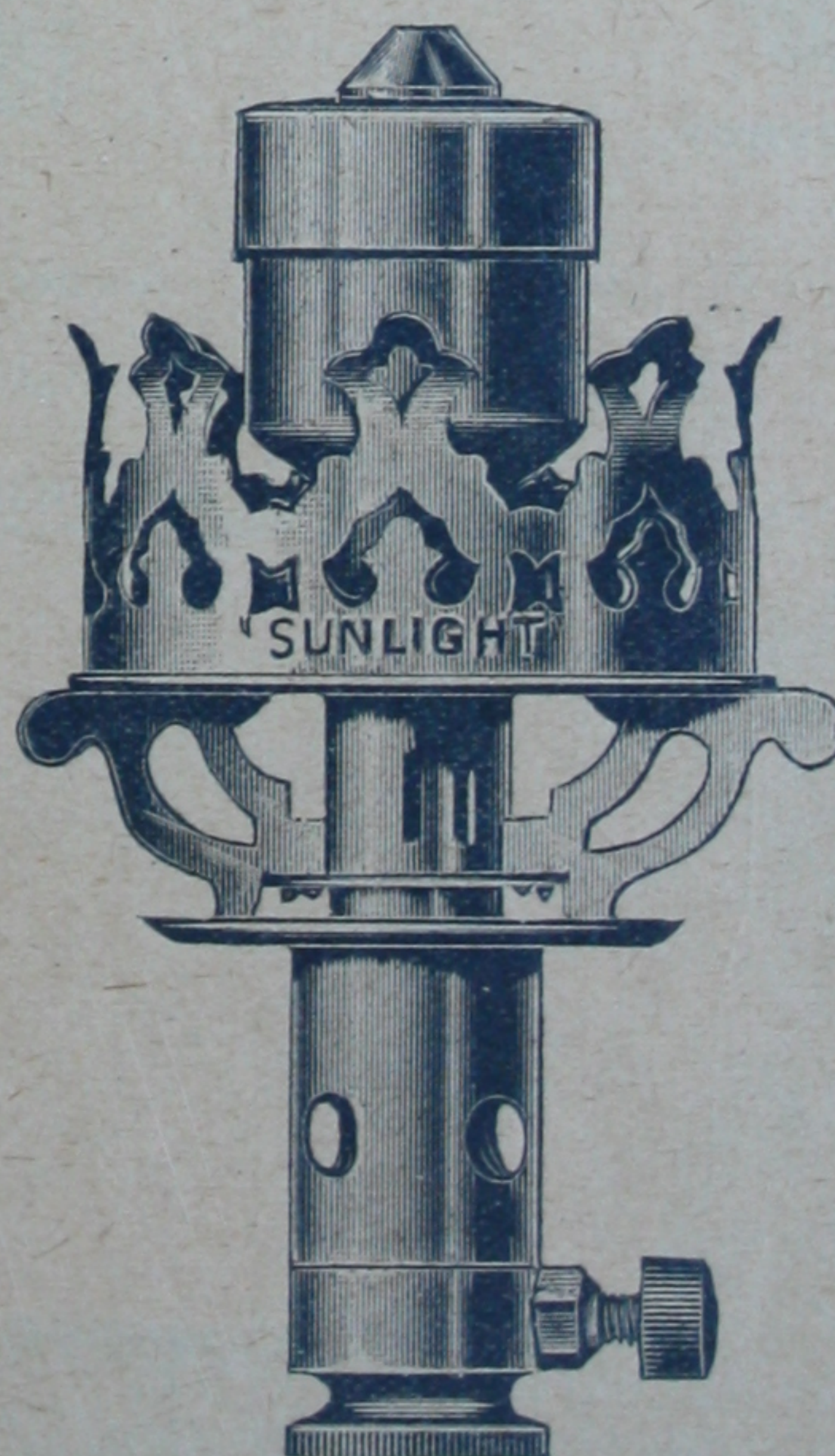
No. W468 No steatite... 21/- 19/- doz.
W472 With steatite 23/- 22/- „
W473 Double Levers and Chains, 3/- per doz. extra.



No. W484.

Heavy Burner with steatite ring and cast base and Air Regulator. 14/- per doz.

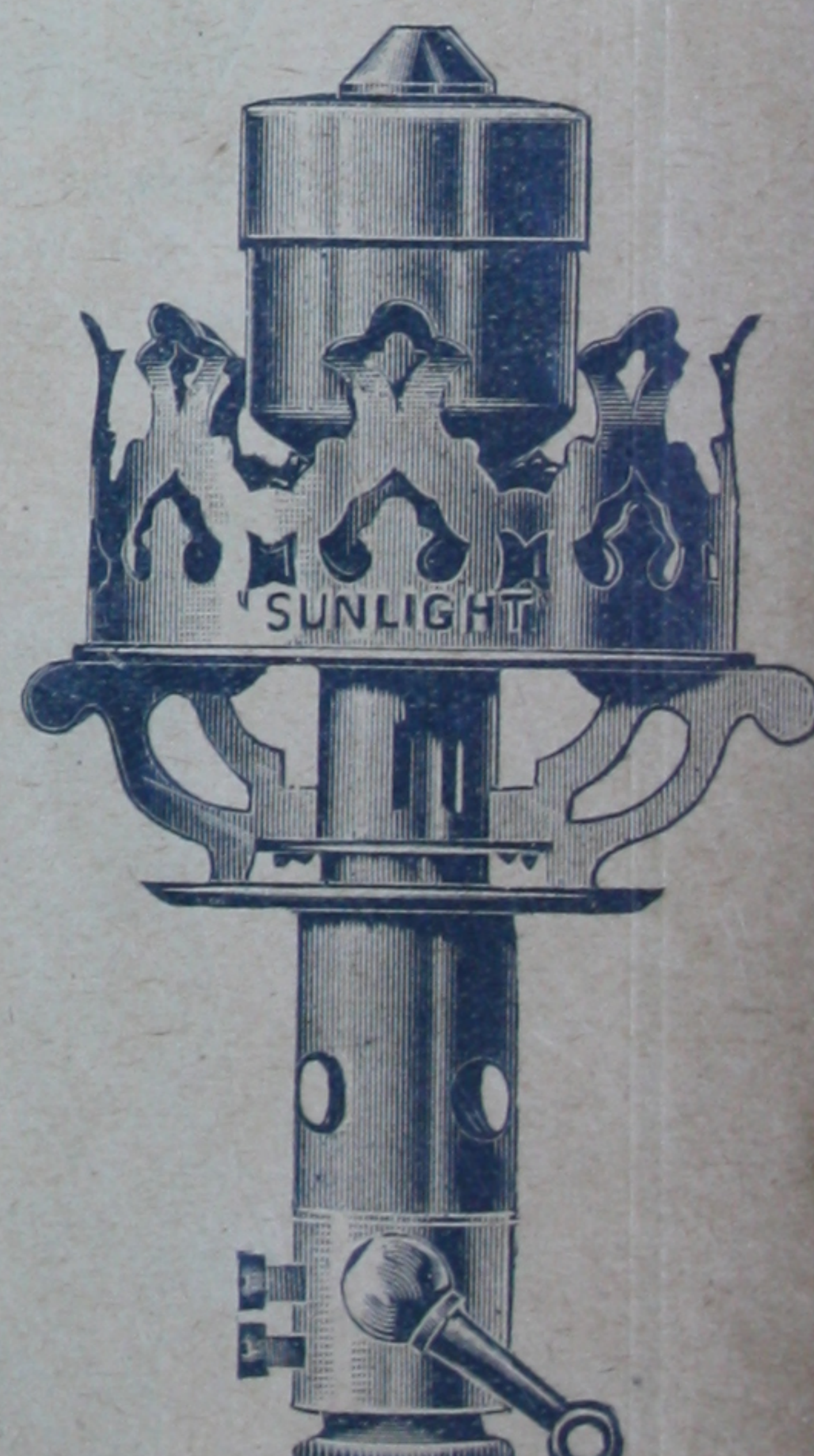
12/6 per doz. by gross lots.



No. W485.

As W484 but with Gas and Air Regulators. 20/- per doz.

18/6 per doz. by gross lots.



No. W486.

Heavy quality, By-pass Burner, with steatite ring, cast base and Air Regulator. 31/- per doz.

29/- per doz. by gross lots.

No. W486A. With Double Levers and Chains, 35/- per doz.

34/- per doz. by gross lots.

Gas Regulator to W486 6/- per doz. extra.

WELSBACH LIGHT

Welsbach-Kern Inverted Burners.

Fitted with Gas and Air Regulators. Consumption, large size, 3 feet of gas per hour, Bijou size, $1\frac{1}{4}$ feet of gas per hour. All Welsbach-Kern Inverted Burners are stocked in Polished Brass, Steel Bronze, and Oxydized Copper Finish, without extra charge. Coppered, 6d. each extra. Other special finishes will be quoted for on application.



Pendant Burner.

No. W32.

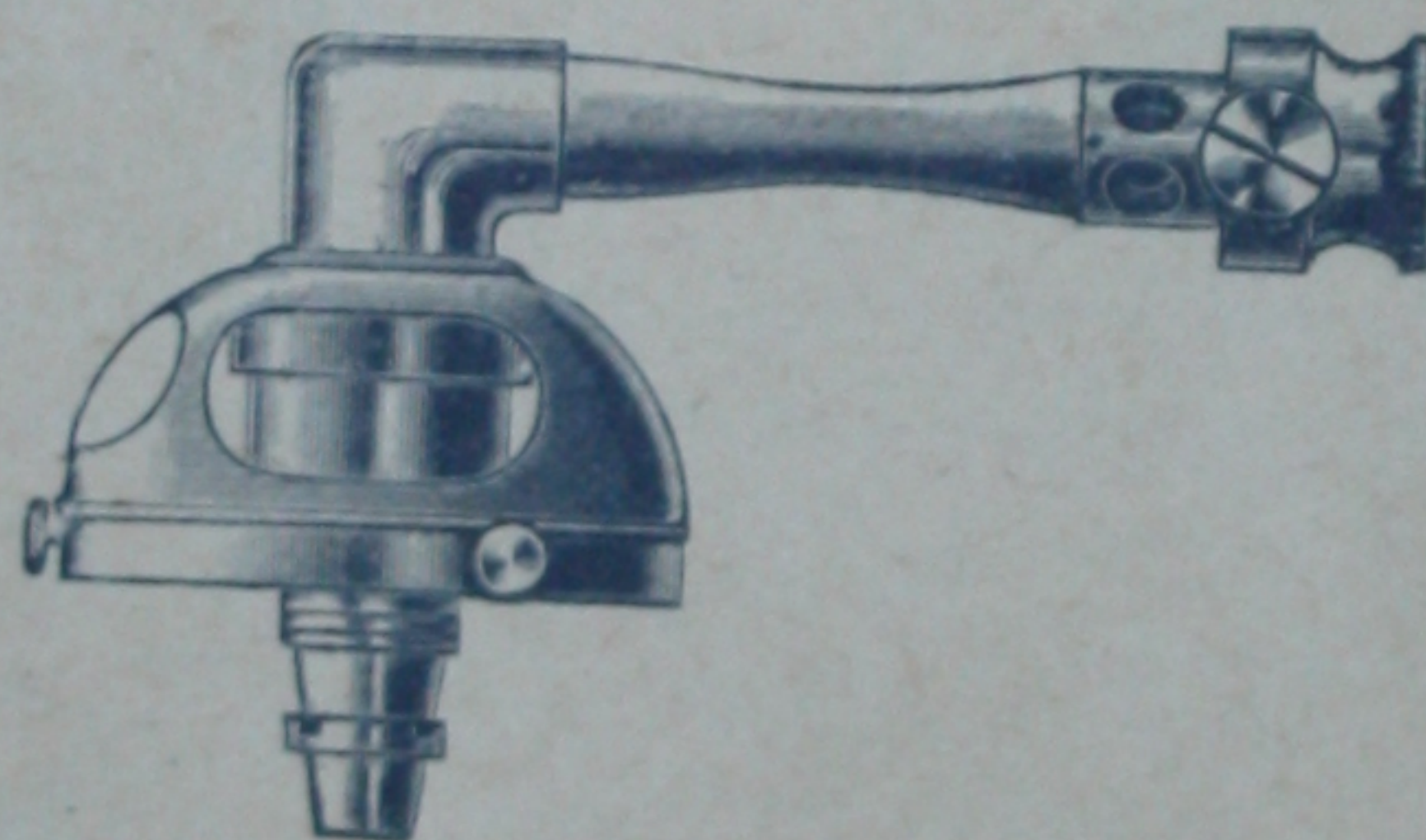
Burner (only) 75 c.p., 5/- each.



Bijou Burner.

No. W34.

Burner (only), 30 c.p. 4/- each.

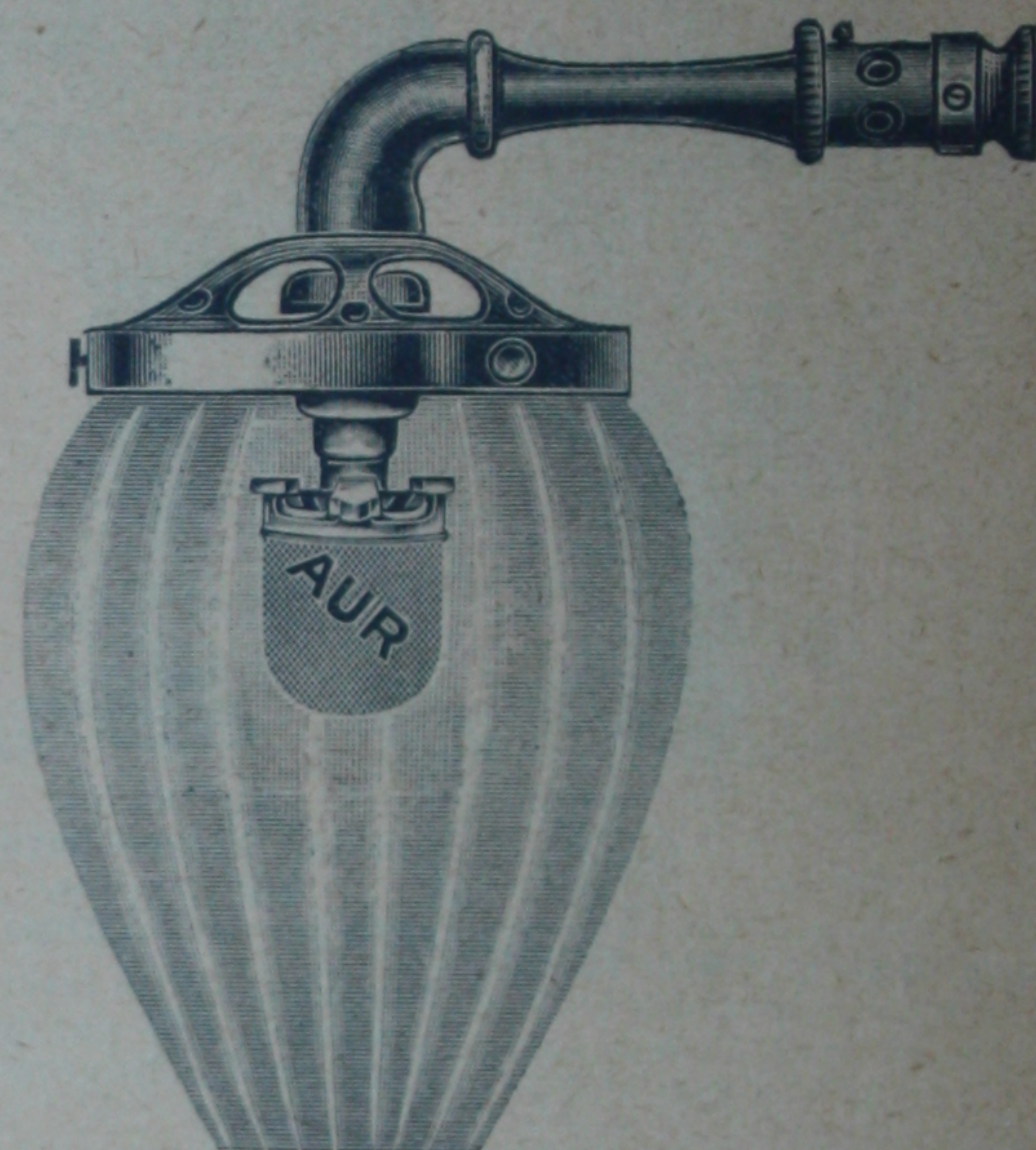


Bijou Burner.

No. W35.

Burner (only), 30 c.p., 3/4 each.

Renewal China Plates for Pendant and Bijou Burners, 3d. each.



Angle Burner.

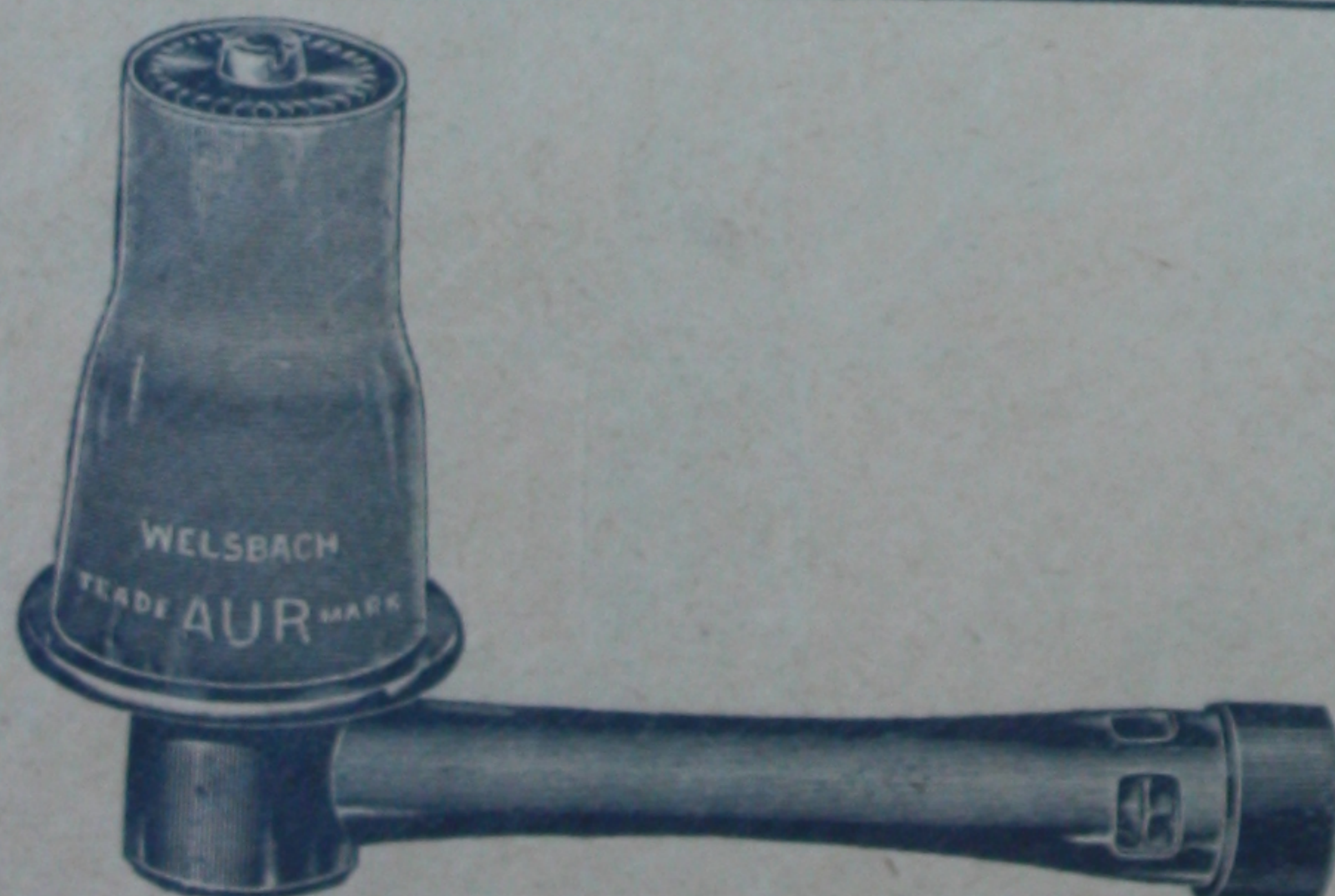
No. W33.

Burner (only), 75 c.p., 4/8 each.

Also supplied with Nozzle to take

Type G Mantle, if desired, without extra charge.
(4-ft.—100 c.p.)

Any Welsbach-Kern Inverted Burner fitted with Flash By-Pass, 1/8, or with Levers and Chains, 2/2 each extra.



No. W36.

Welsbach-Kern Upright Billiard Burner.

No. 3 size Burner (only), 3/- each.

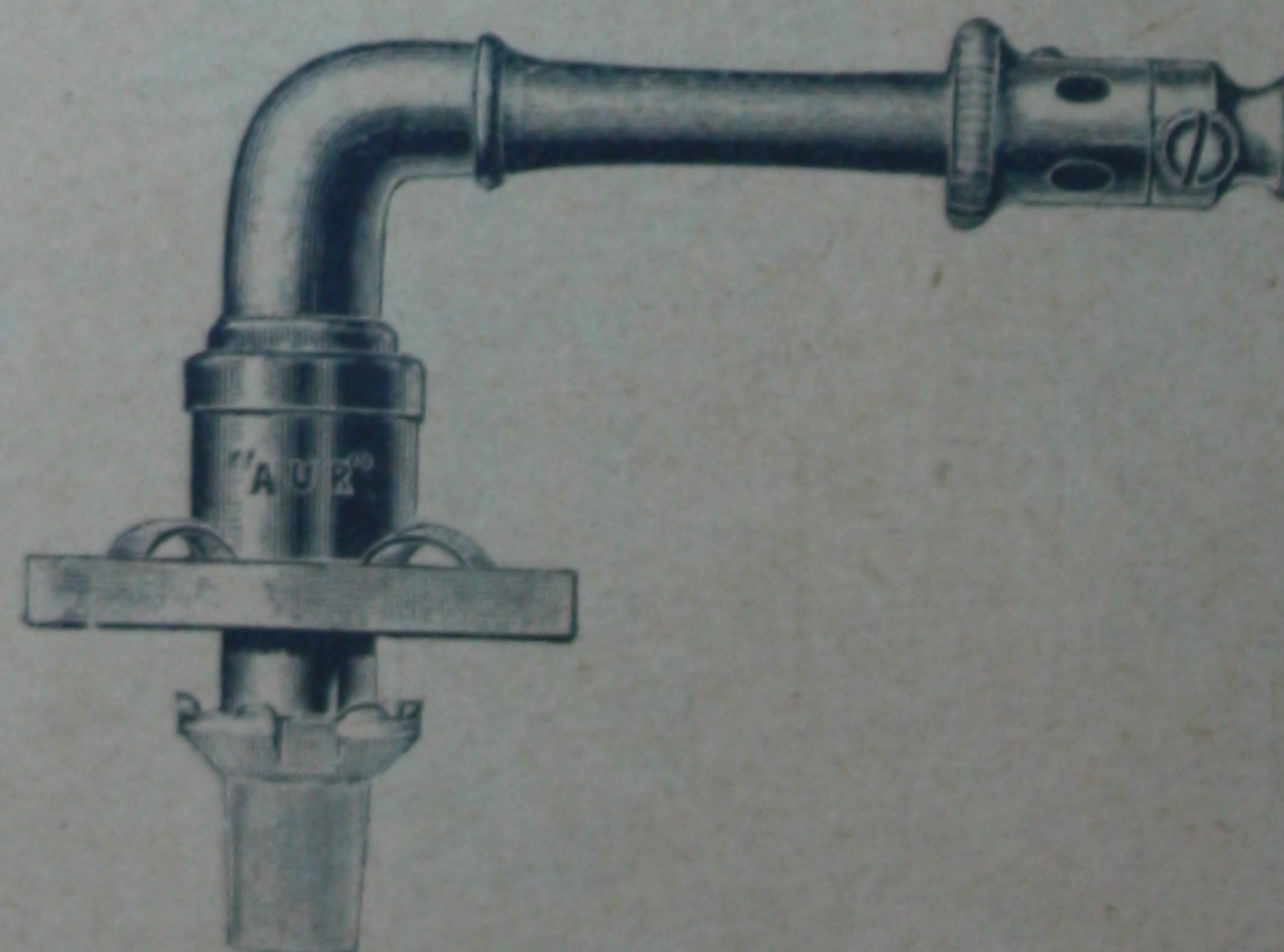
No. 4 size Burner (only), 3/9 each.

By-Pass 1/8 each extra.

By-Pass with Levers and Chains, 2/2 each.

Air Regulator Free if specified when ordering.

Gas Regulator, 6d. extra No. 3 and 4.



No. W17.

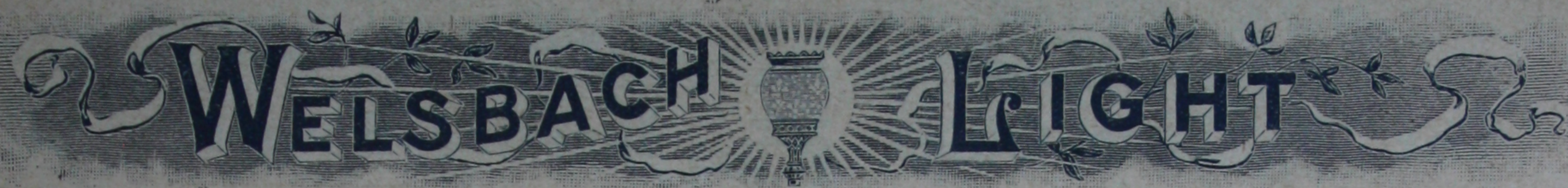
Welsbach-Kern Inverted Angle Burner.

Type A, with Gas and Air Regulators,
(showing Glass Protector Holder).

Burner (only), with Glass Holder, 4/8 each.

Glass Holder (only), 9d. each.

Consumption with Type G Mantle, 4 feet of Gas
per hour, 100 candle power.



Welsbach-Kern Inverted Burners.

FOR PETROL-AIR GAS.



Pendant Burners.

No. W2807.

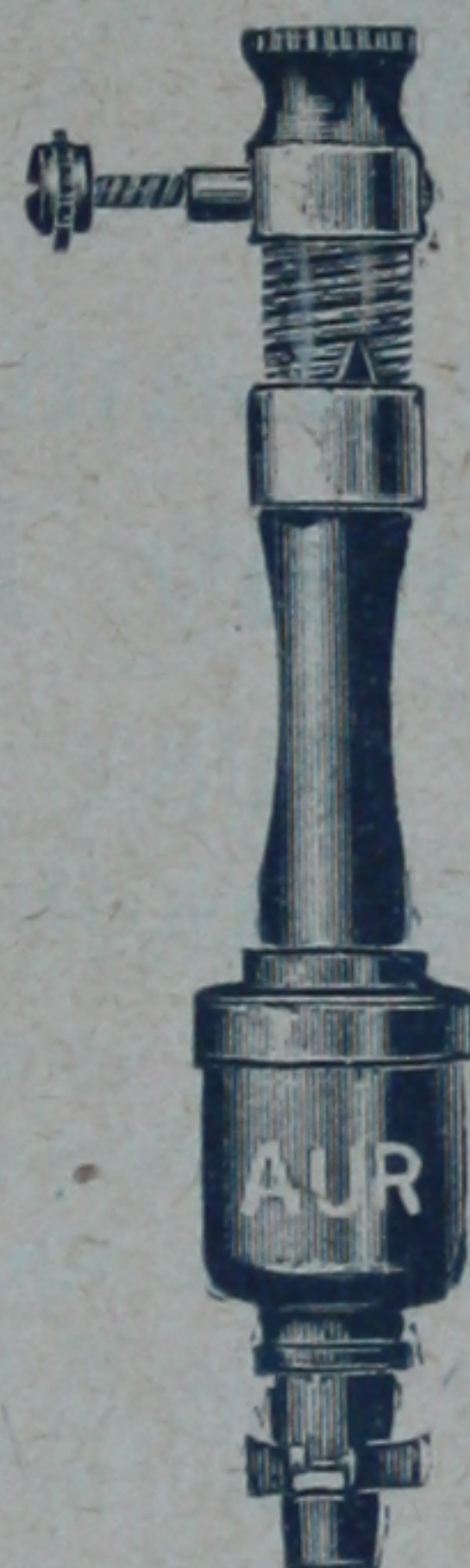
Bijou Pendant Burner with Gas and Air Regulators as shewn, and with Globe Ring to take full size Inverted Globes.

5/4 each.

No. W2808.

Ditto with Globe Ring to take Bijou Size Inverted Globes,

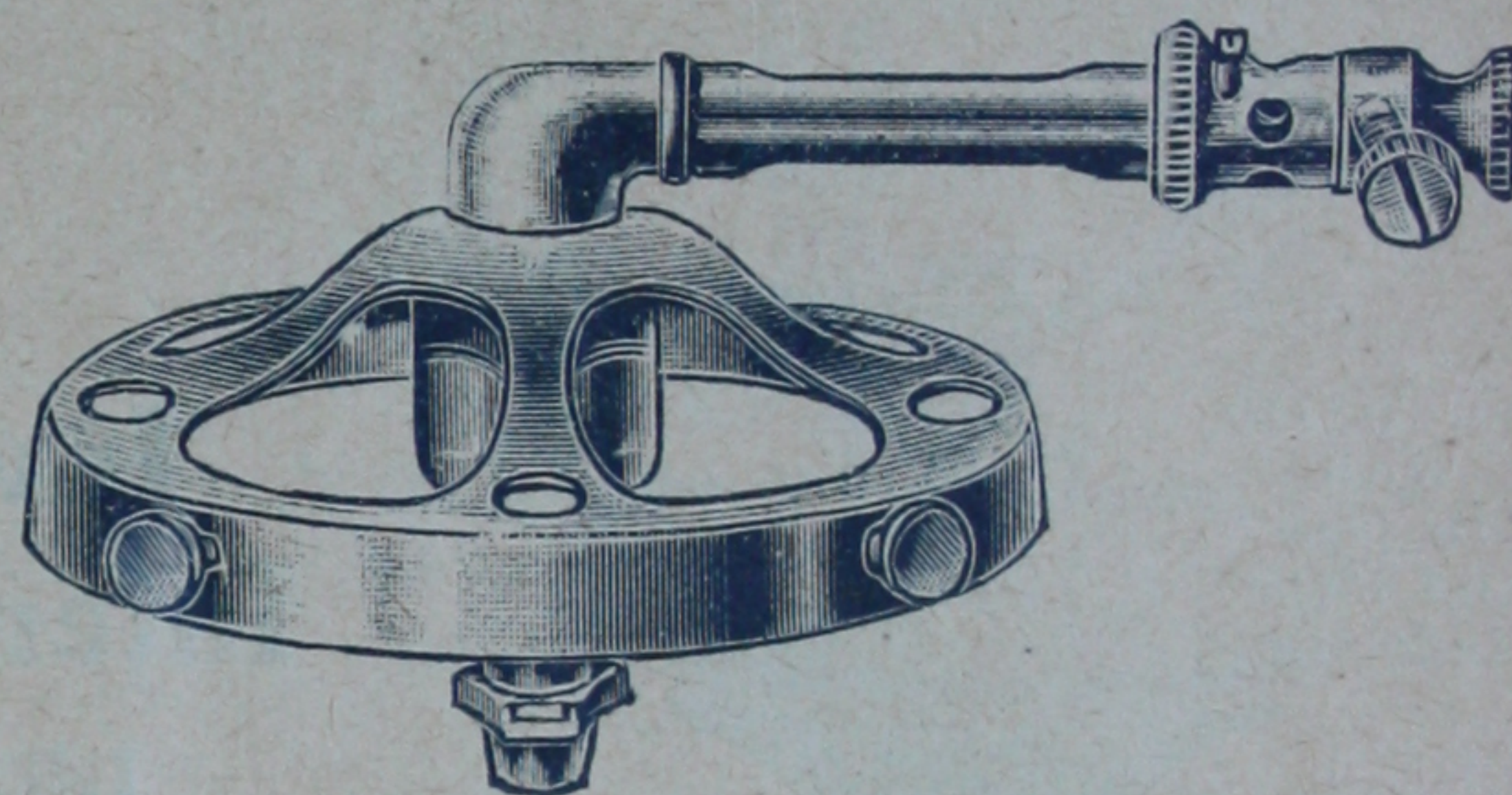
5/4 each.



No. W2809.

Bijou Pendant Burner with Gas and Air Regulators as shewn,

4/- each.



Angle Burner.

No. W2810.

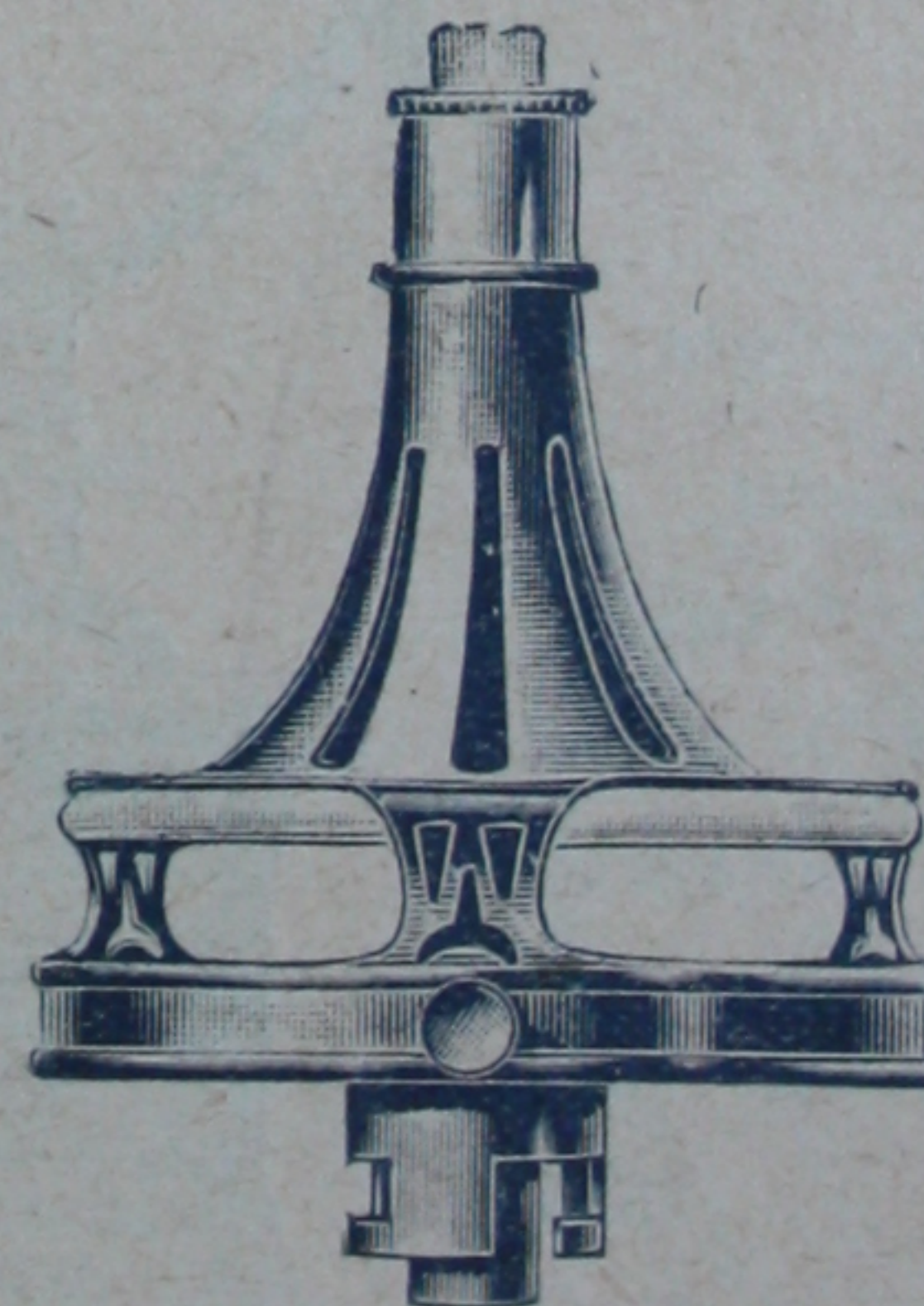
Bijou Angle Burner with Gas and Air Regulators and Large Globe Ring,

4/8 each.

No. W2811.

Ditto with Small Globe Ring,

4/8 each.



No. W6.

Welsbach Inverted Burners for Cox's Petrol-Air Gas,

100 c.p. 4/8 each.

300 c.p. Burners, 10/- each.

These Burners will not work with other Air-Gas Systems which require Welsbach-Kern Inverted Burners with Special Air Regulators, as shewn above on W2809.

If supplied without Gas Adjuster (any pattern)
6d. each less.

When ordering, state clearly what System these
Burners are to be used on.

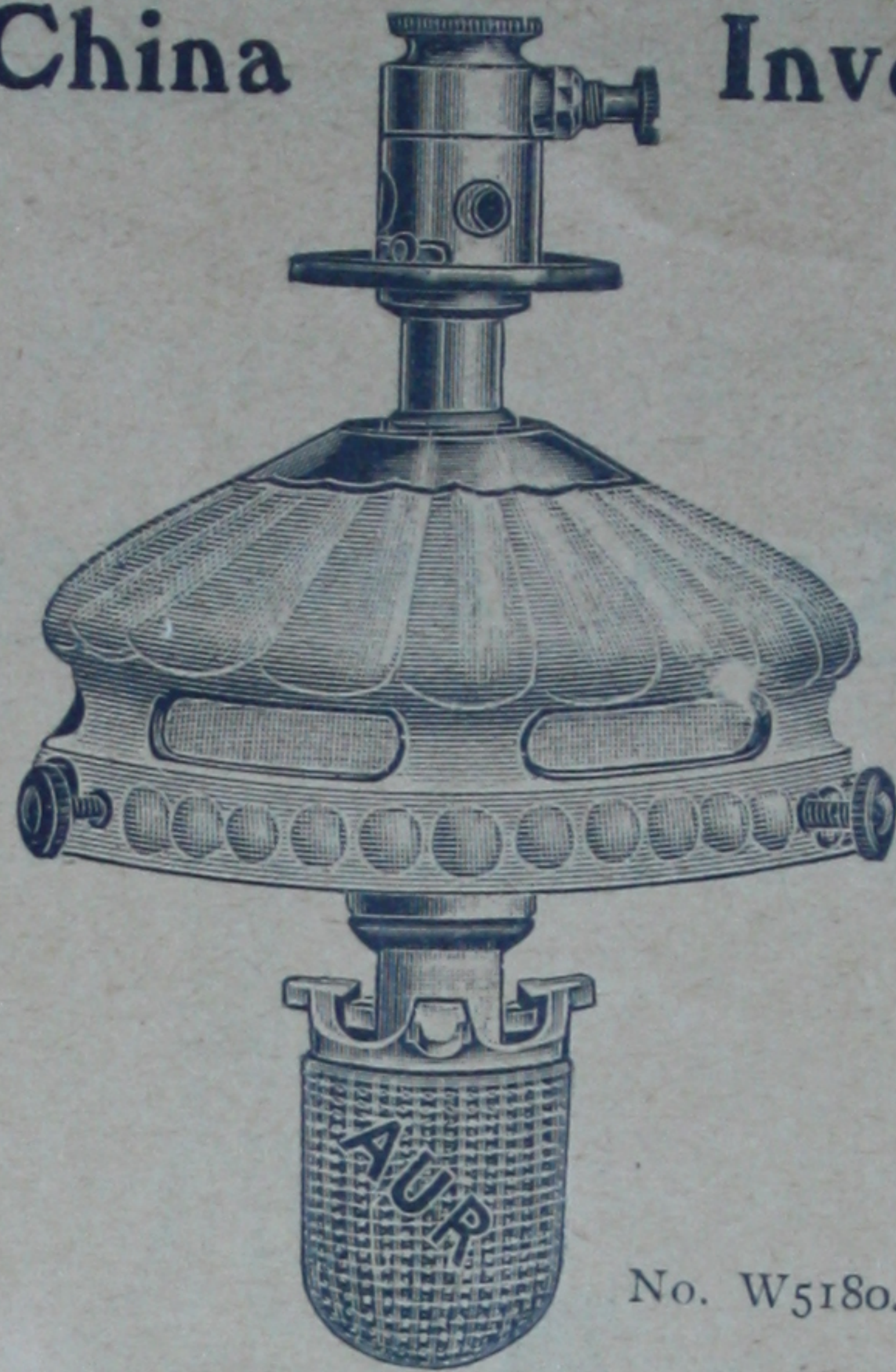
These Burners take Bijou Sized Mantles shewn
on pages 14 to 18.

WELSBACH LIGHT

The Welsbach China Inverted Burner. (REGISTERED DESIGN.)

Non-corrosive.
No discolouration.

This Burner
can be supplied in the
following finishes:—
Plain White China, or
White China with Gold Lines.



No. W5180.

The body of the Burner is of China and Enamelled Iron throughout, and can be cleaned and kept bright without any trouble and without taking the Burner apart.

EXCEEDINGLY HANDSOME
AND EFFICIENT.

Burner (only)—No. W5180
Plain White ... 3/6 each.
White and Gold ... 3/6
Inverted Mantles (extra) ... 6/6 doz.

Fitted with Gas and Air Regulators.



No. W5119
With
By-pass
and loose
Reflector.

Inverted Arc Lamps for Interior or Lobby Lighting. DRAUGHT AND DUST PROOF. ENAMELLED IRON.

Colors:—Green and Gold relieved. White and Gold relieved.

PRICES: Either Type Complete.

Length over all, with By-pass	10-in.	Without By-pass	5/6 ... 4/6
" " without "	9-in.	With By-pass	6/6 ... 6/6
Diameter of Reflector	8-in.	With Parabolic Reflector	(W5119 only), 1/- extra.

Complete with Opaline Globe, Inner Chimney and Mantle, as shewn.
No. W5118. Chains and Rings only, 1/9 per dozen extra.

For Glass to fit Lamps, Nos. W5119 to W5120, see page 64.



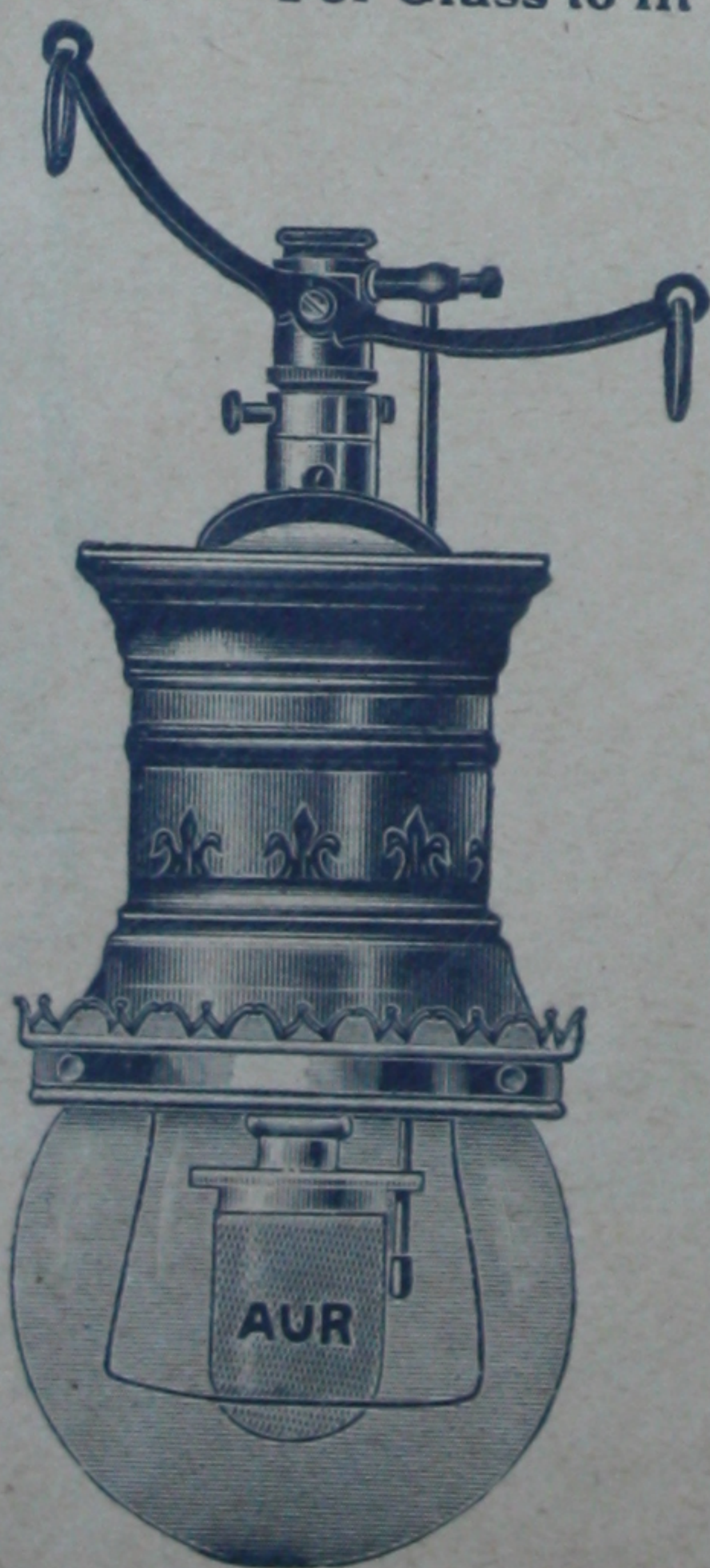
No. W5119A
Registered
Design.
New and
Improved
Pattern,
with fixed
Reflector.

PRICES (Complete):
With Opalescent or
Clear Globe, Inner
Chimney and Mantle
complete, as shewn.

Without By-pass ... 4/-
With " ... 5/6

Renewal Porcelain Bodies,
12/- per dozen.

Colors:
Cream,
Light Green, Dark Green,
Light Blue.

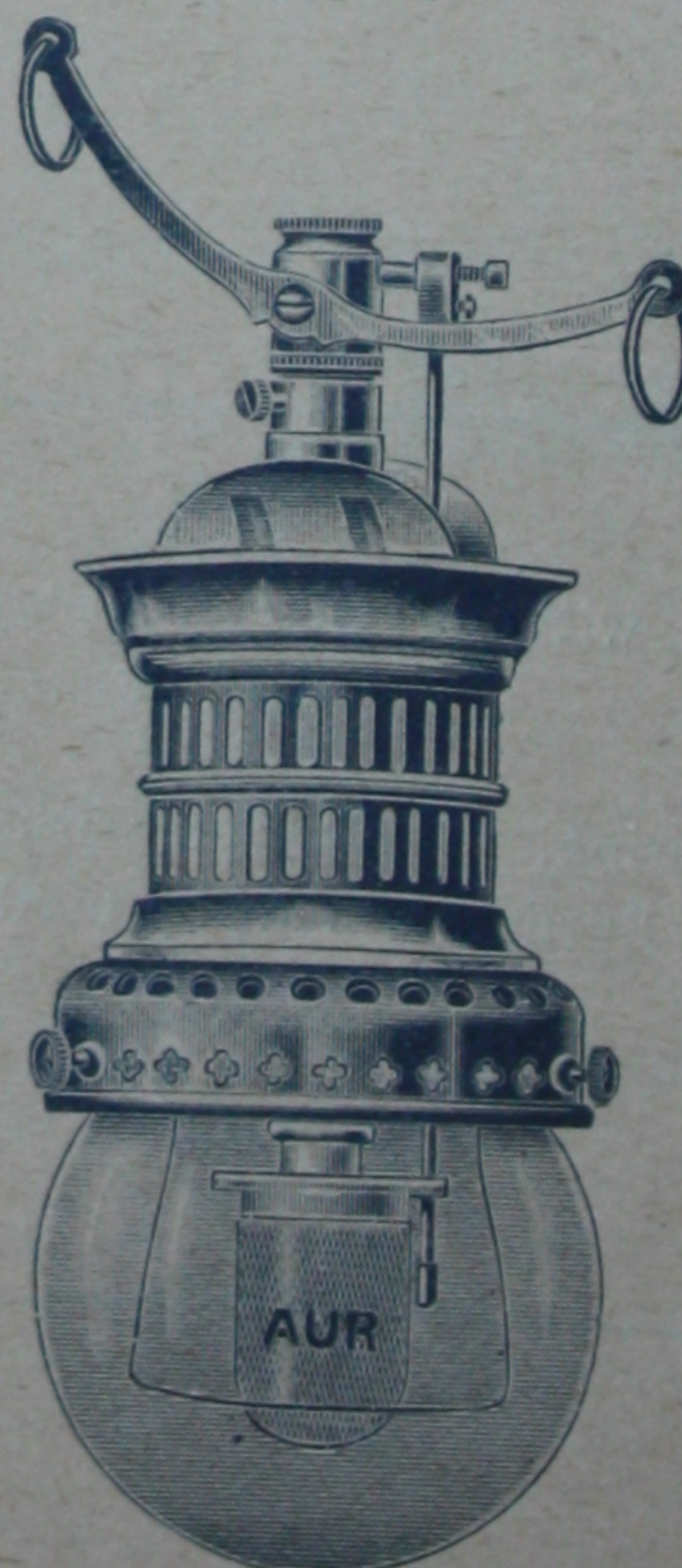


No. W5120.
With Porcelain Body.

The "AURORA."

Enamelled Iron, with
either Porcelain,
Polished Brass, or
Steel Bronzed Body.

Registered Design.



No. W5120A.
With Brass or Steel Bronzed Body.

PRICES (Complete):
With Opalescent or
Clear Globe, Inner
Chimney and Mantle,
complete, as shewn.

Without By-pass ... 4/-
With " ... 5/6

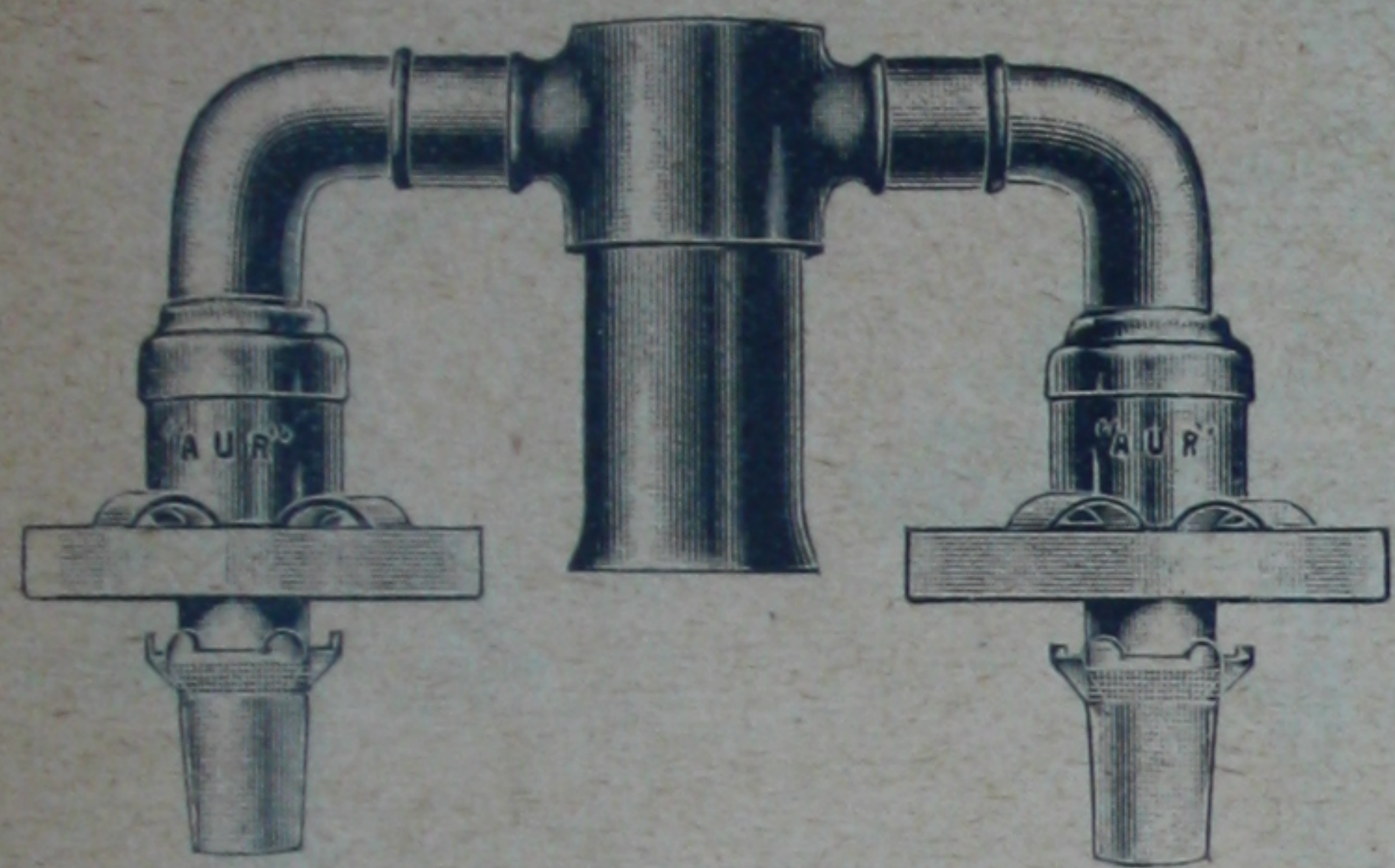
Length over all:
Nos. W5120 and W5120A.
Without By-pass ... 8-in.
With " ... 9-in.

WELSBACH LIGHT

The Welsbach-Kern Patent Inverted Transformer.

A Combination of the Upright and Inverted Welsbach-Kern Burners.

Can be fitted on any existing Kern Burner, Size 2, 3, or 4, thereby transforming the Upright into the Inverted System.
Specially suitable for Street Lighting and for Arc Lamps.



No. W5121A.

Two-Light Transformer, 8/-

Consumption: 2 Lights 6 ft. per hour.
Illuminating Power: 180 Candles.

No. W5121B.

Gem Size Transformer, 5/-

for Burners Nos. 2 and 3 only.

Consumption: 3 ft. per hour.
Illuminating Power: 80 Candles.

Kern Upright Burners stripped for above.

No. 2.	3.	4.
2/6	3/2	4/- each.

Ditto as above, with Special By-Pass for
Nos. W5121A or W5121B.

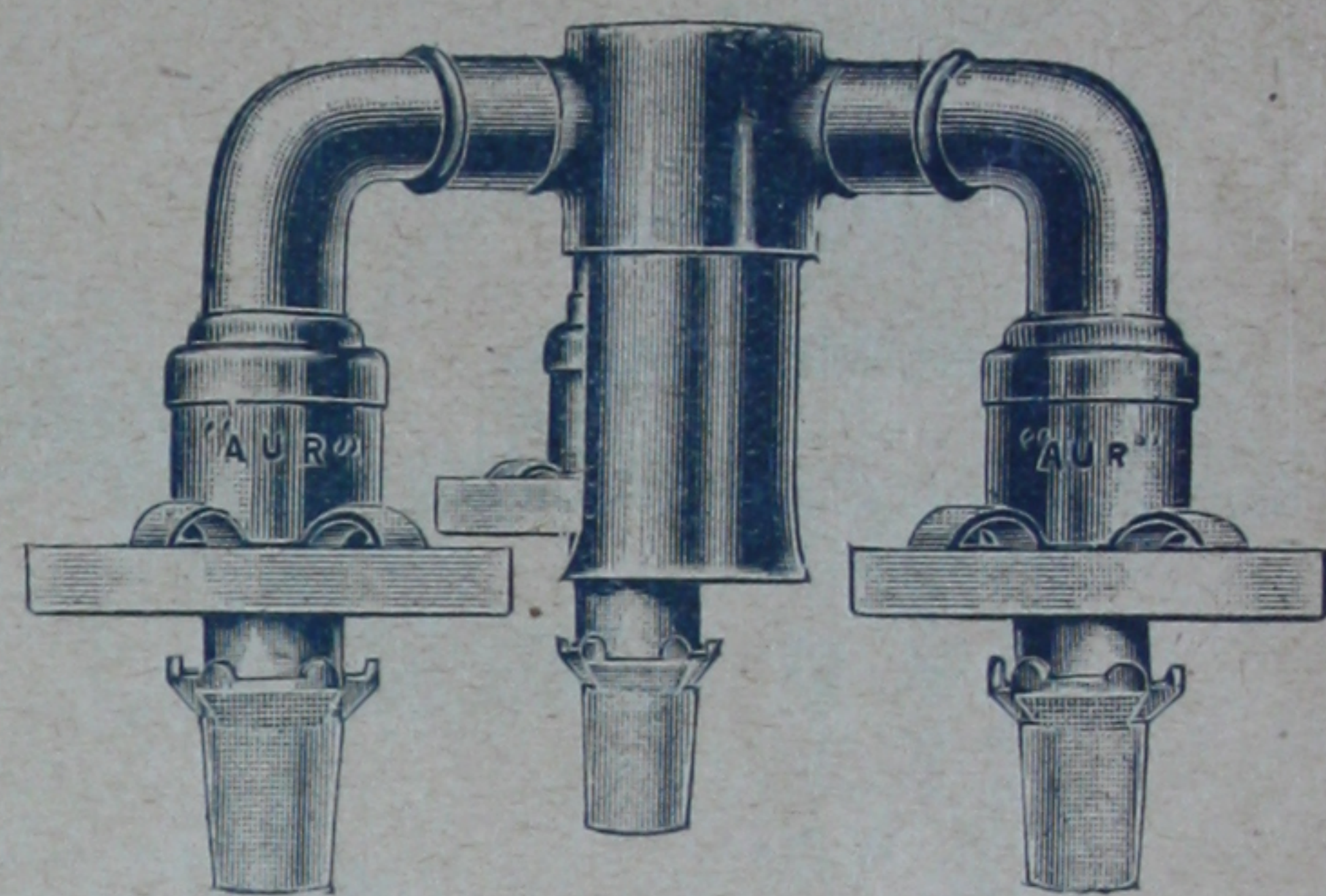
No. 2.	3.	4.
7/-	7/8	8/6 each.

When ordering please state
whether Transformers are required
to fit Upright Size, Nos. 2, 3, or 4.

Gem size not made for No. 4.

Highly Efficient.

NOTE: When mounting these
Transformers on Burners
already in use, it is necessary
to remove the inner cone and
wheel of the Kern Burner.
New Nipples are also required
as a rule.



No. W5122A.

Three-Light Transformer, 12/-

Consumption: 3 Lights 9 ft. per hour.
Illuminating Power: 270 Candles.

No. W5122B.

Gem Size Transformer, 6/6

for Burners Nos. 2 and 3 only.

Consumption: 3 Lights 4½ ft. per hour.
Illuminating Power: 120 Candles.

Kern Upright Burners stripped for above.

No. 2.	3.	4.
2/6	3/2	4/- each.

Ditto as above, with Special By-Pass for
Nos. W5122A or W5122B.

No. 2.	3.	4.
7/6	8/2	9/- each.

RENEWAL GLASS HOLDERS (as above), 9d. each.



No. W21A.

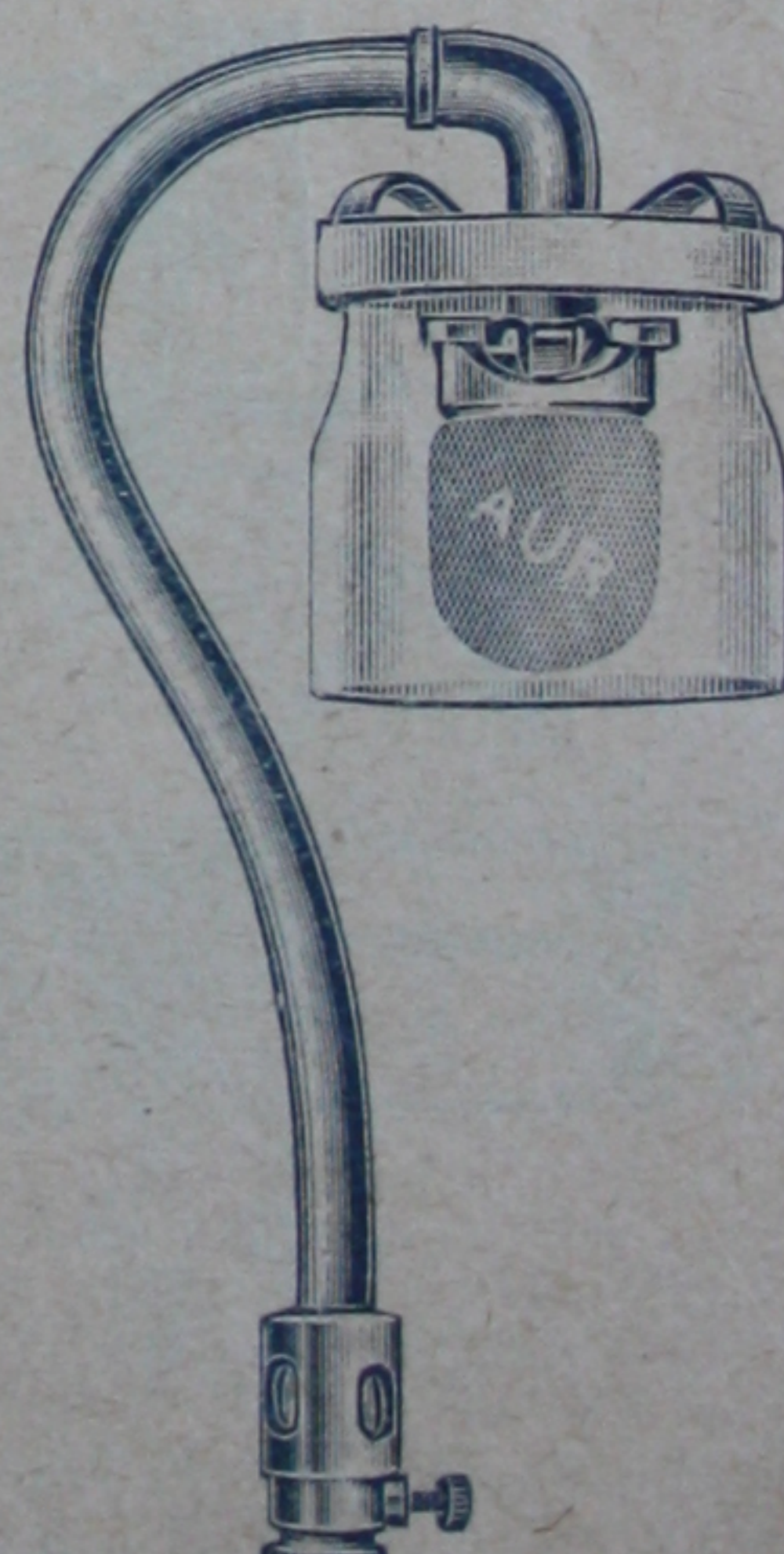
Street Lamp Adapters

(NOT Kern Principle).

With Air Regulation and Graetzin Type Nozzle.

	Rough.	Polished.
	Per doz.	Per doz.
W21A less Mantle ...	33/=	39/=
W21B with Gas Regulator ...	40/=	46/=
W22A with Glass Holder, but less Mantle and Glass ...	51/=	57/=
W22B, as W22A, but with Gas Regulator ...	58/=	64/=

W22 Fitting takes Protector Glass No. 829J (page 39).

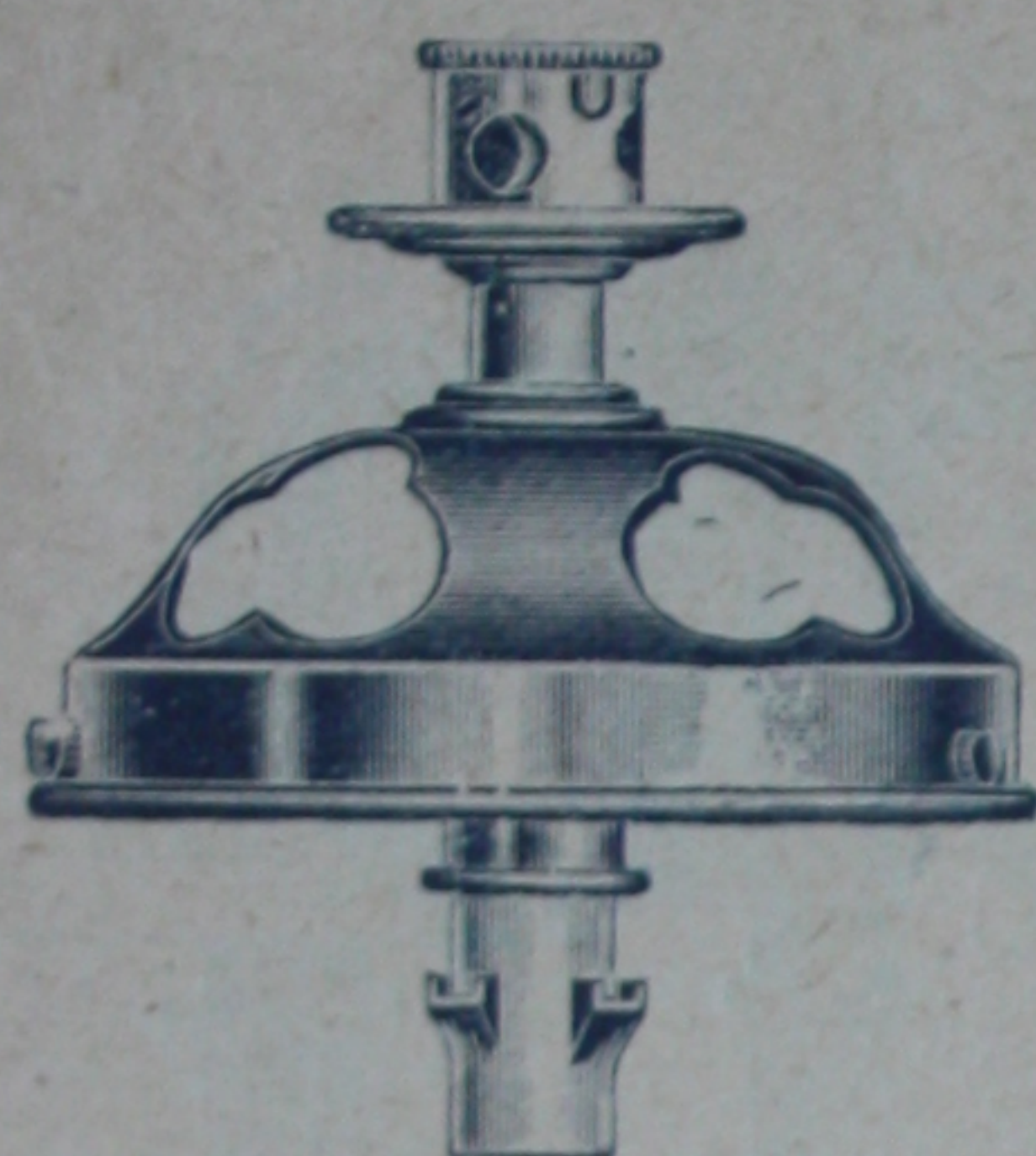


No. W22A.

WELSBACH LIGHT

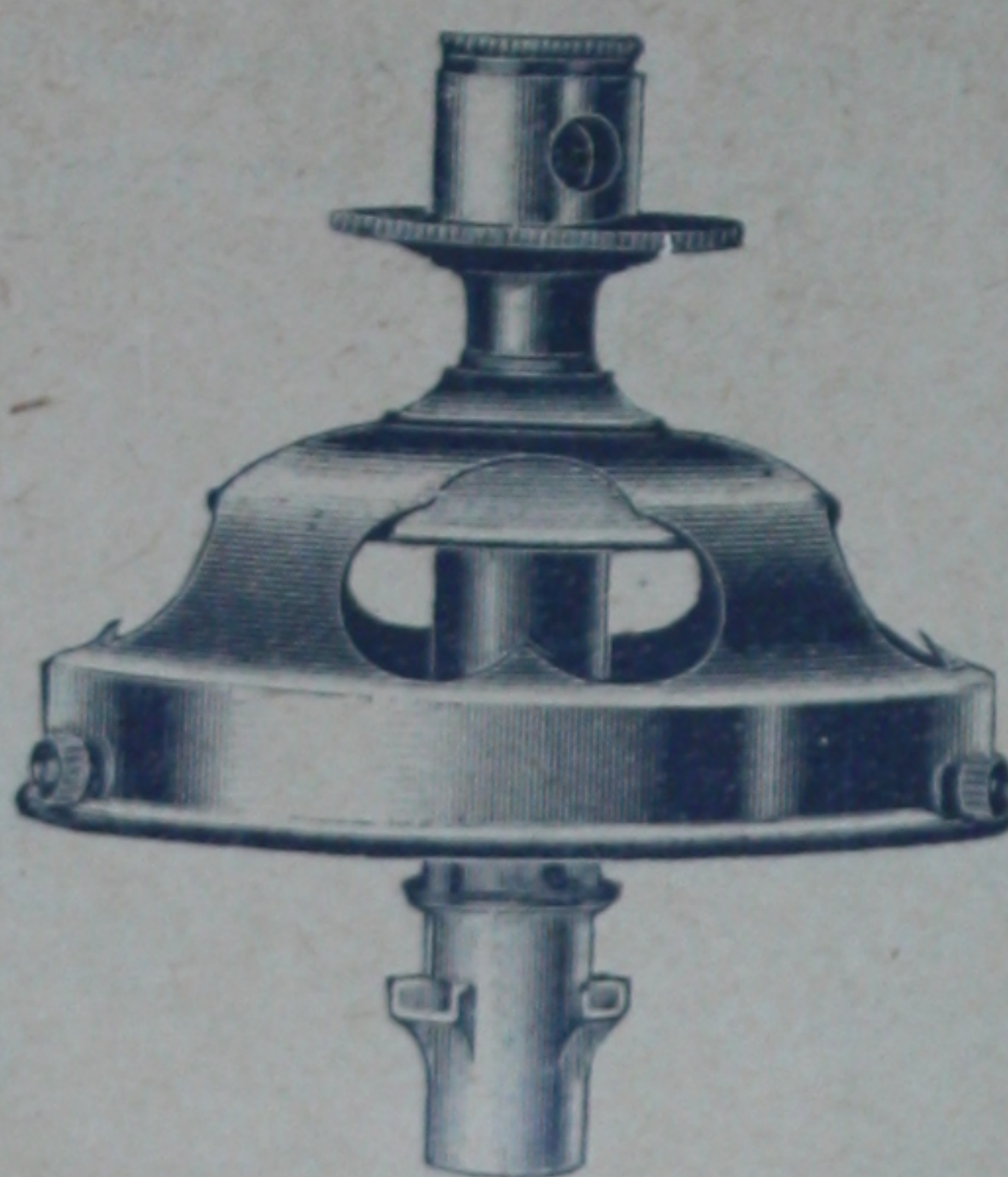
Sunlight, &c., Inverted Burners.

Sold by The Welsbach Company as Agents for New Sunlight Incandescent Company (1900), Ltd.



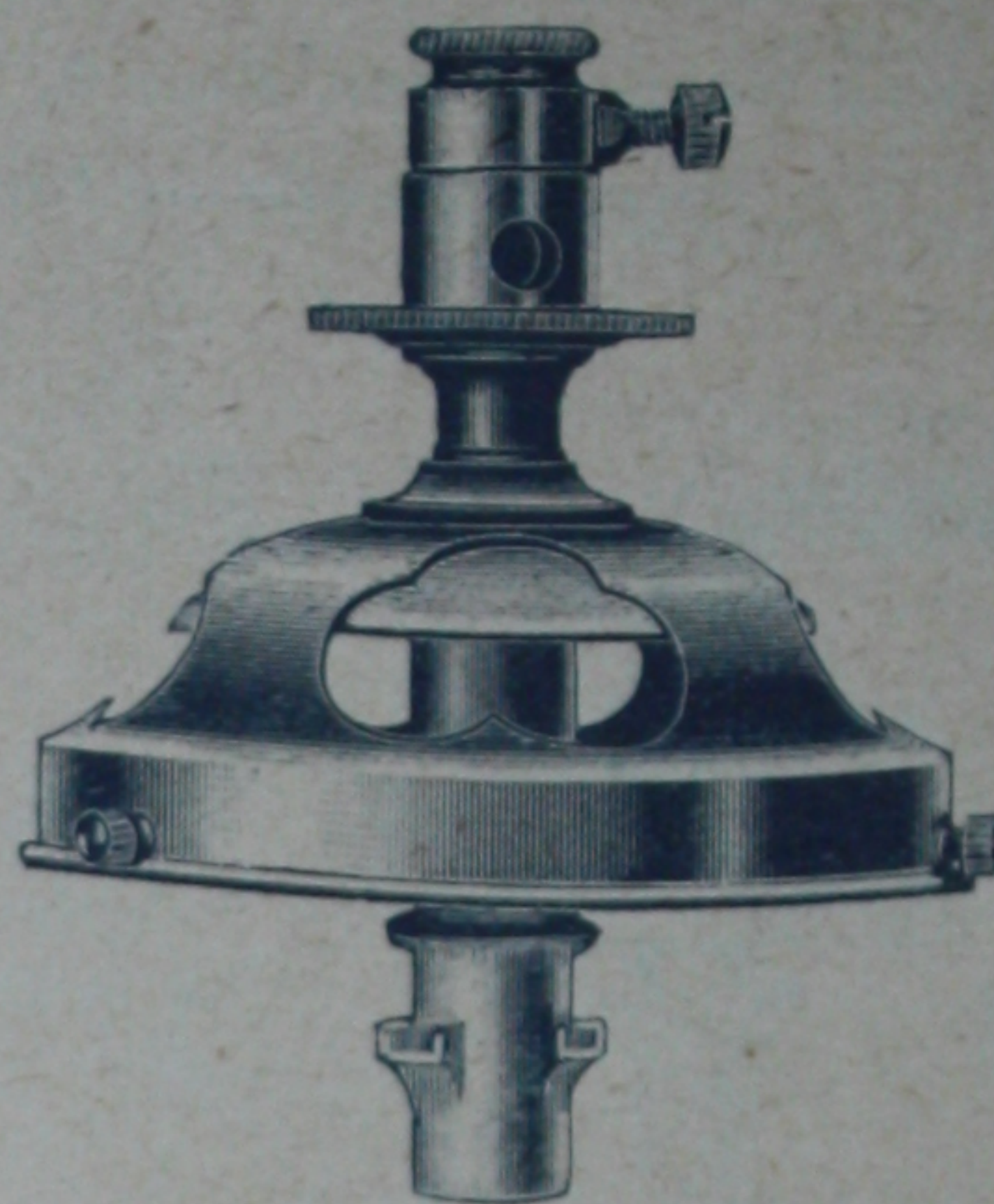
No. W475.

Polished 10/- per doz.
Steel Bronzed 10/6 per doz.
Gas Regulators 6/- per doz. extra.



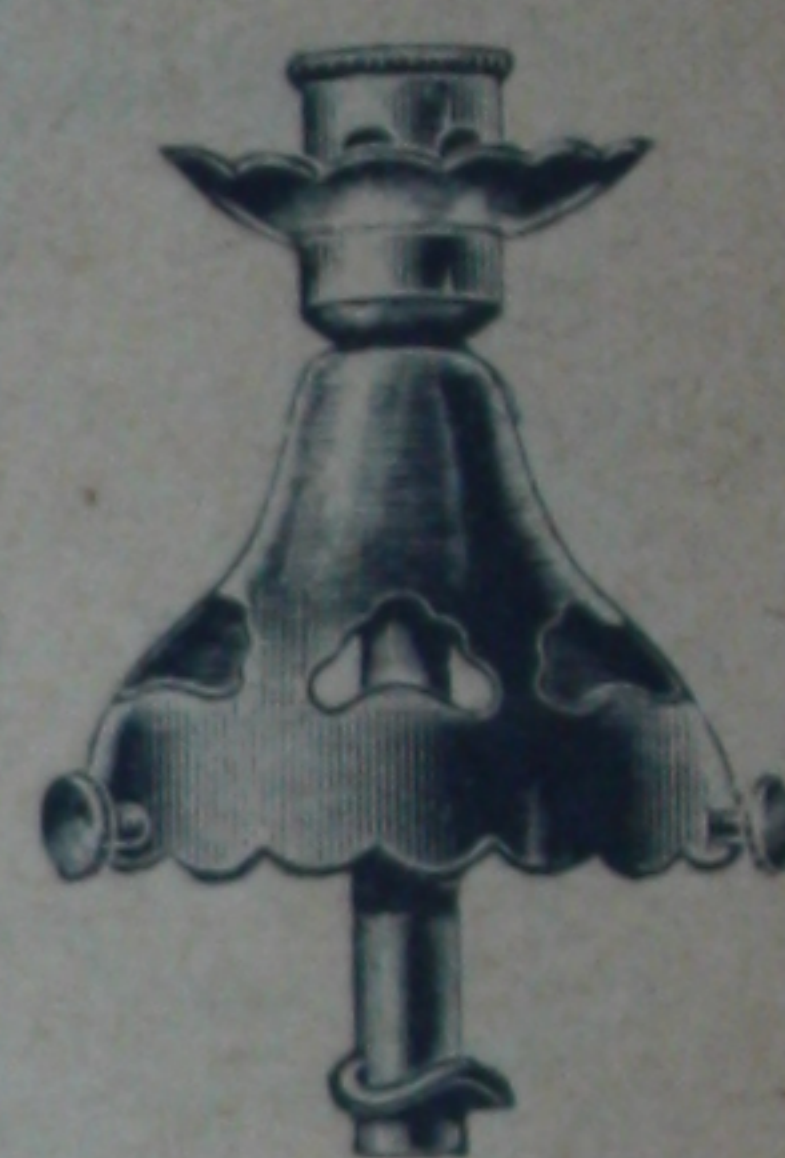
No. W483.

With China Plate.
11/- per doz.
By gross lots, 10/- per doz.
Renewal China Plates, 1/- per doz.



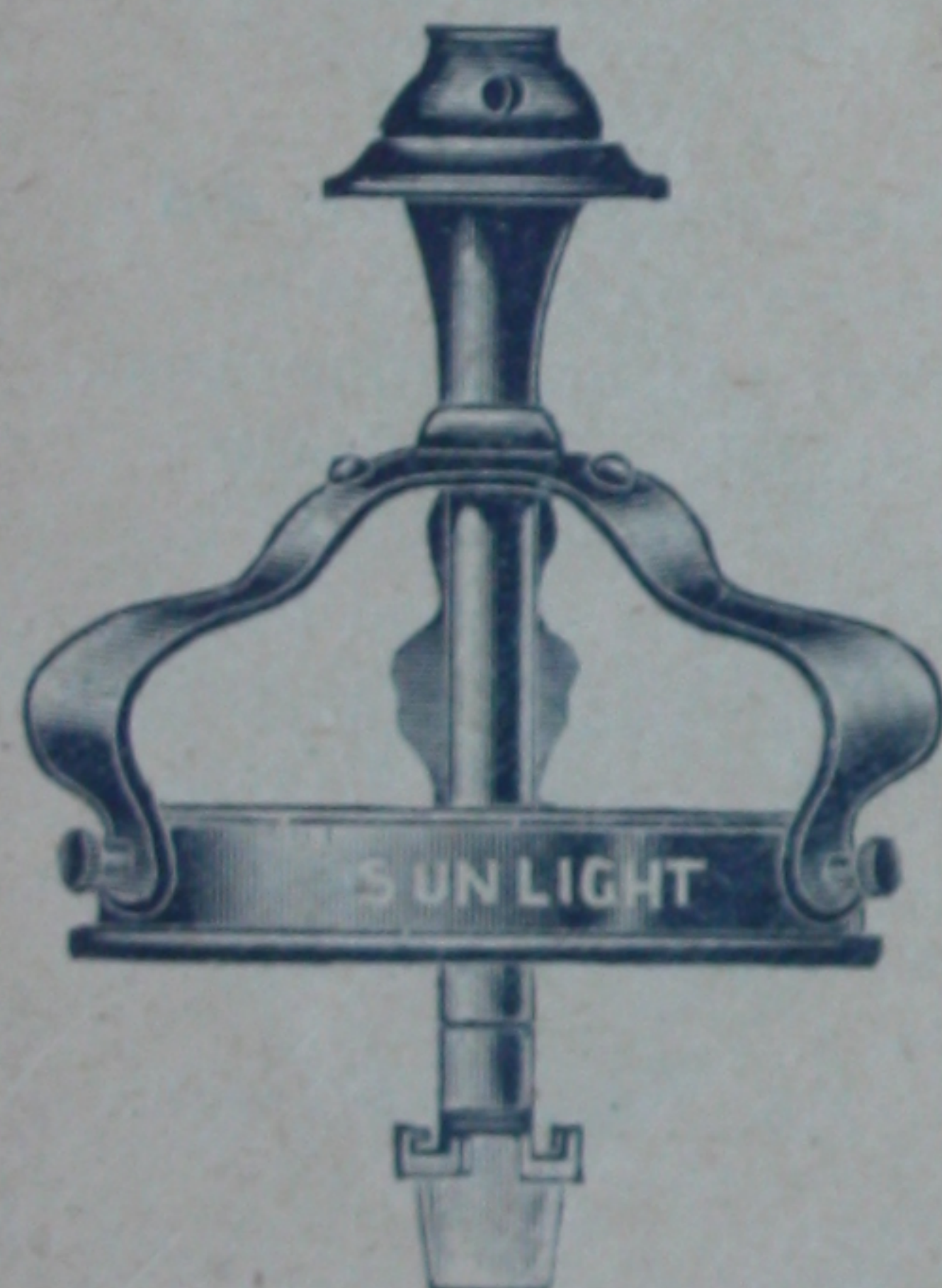
No. W. 501.

With China Plate and Gas
Regulator, 17/- per doz.



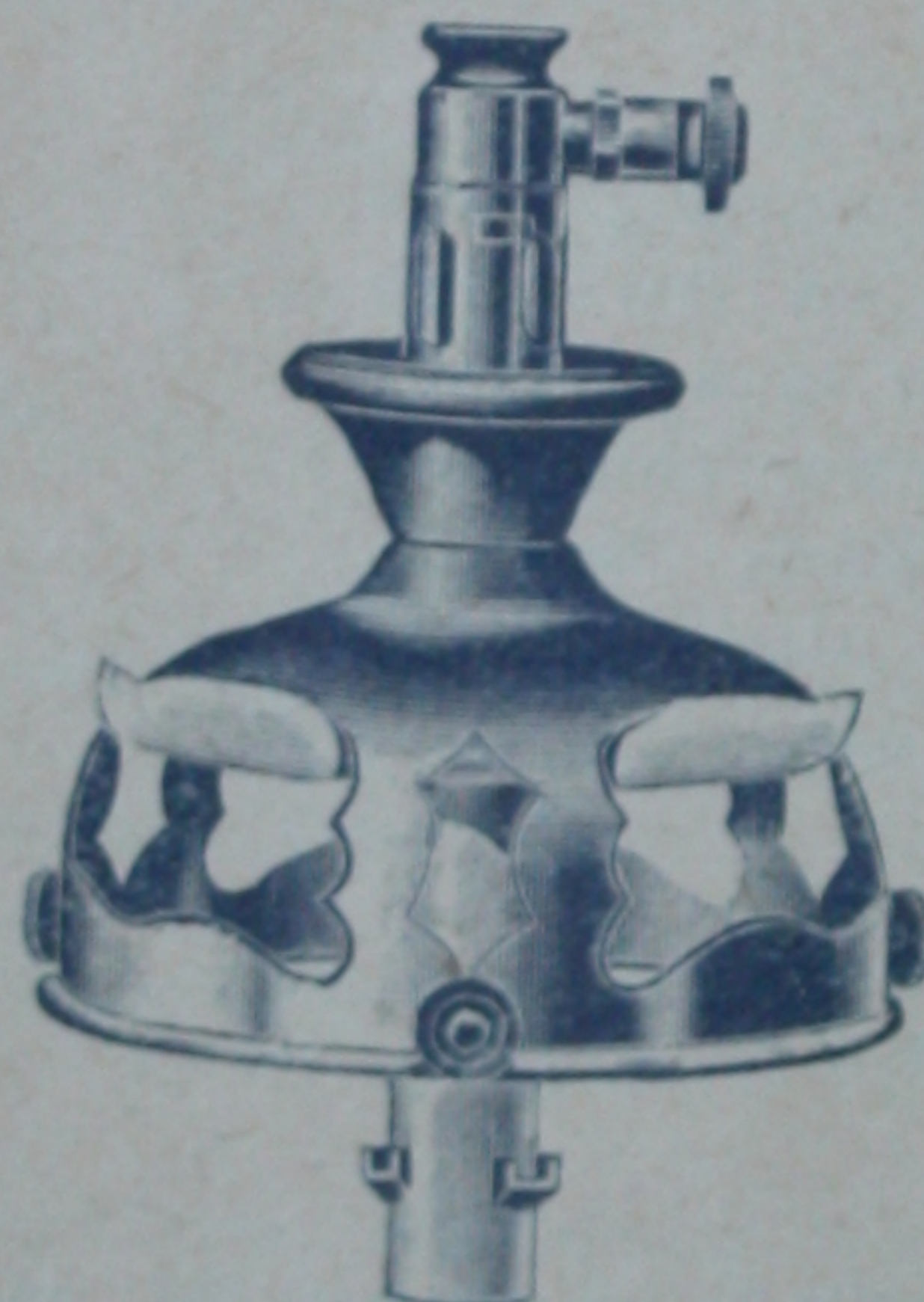
No. W477.

Bijou, 10/- per doz.



No. W478.

9/- per doz.
By gross lots, 8/6 per doz.



No. W487.

With Gas and Air Regulators,
31/- per doz.
By gross lots, 30/- per doz.



No. W488.

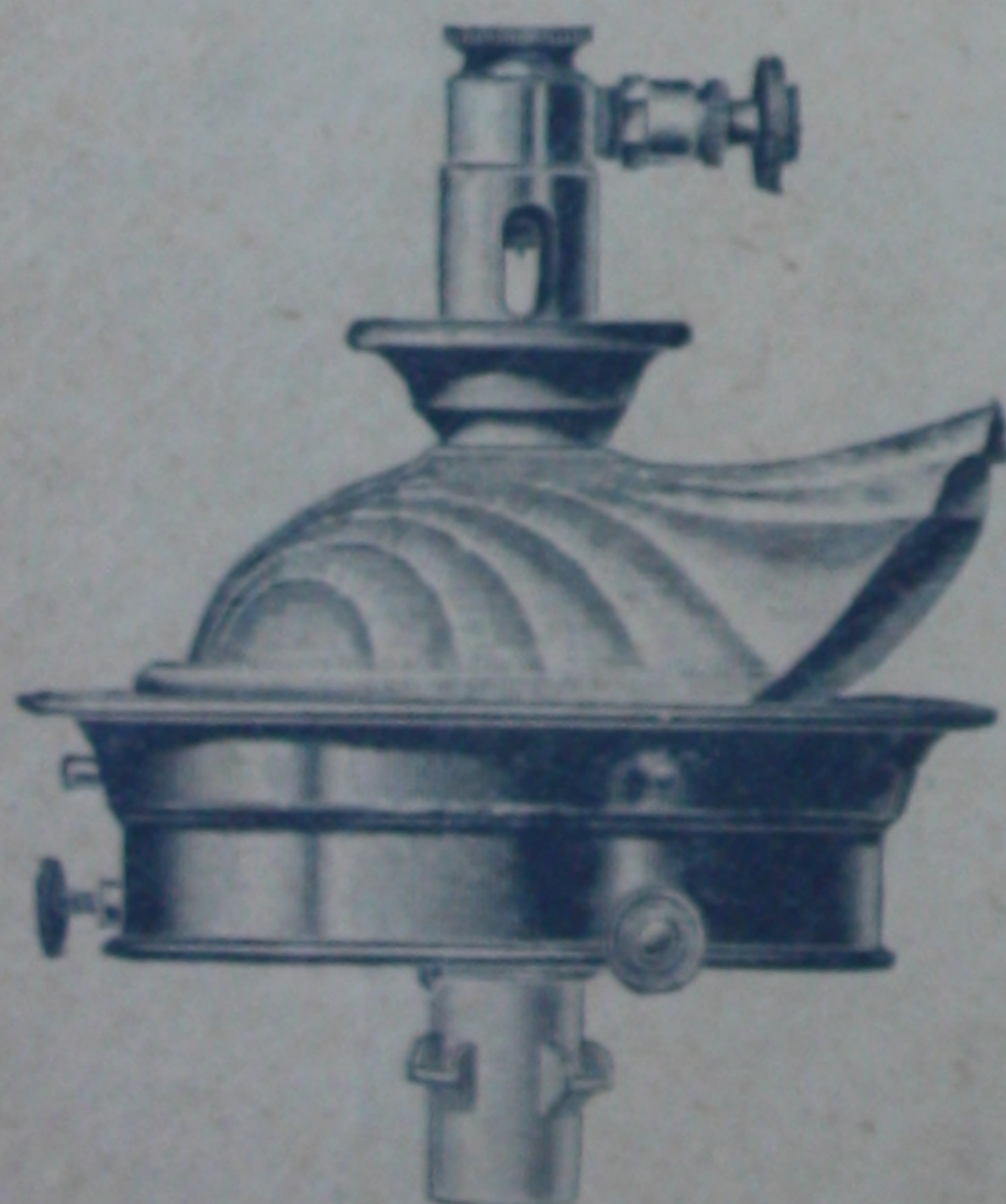
Intermediate Burner, with Gas and
Air Regulators, 30/- per doz.
By gross lots, 28/- per doz.



No. W489.

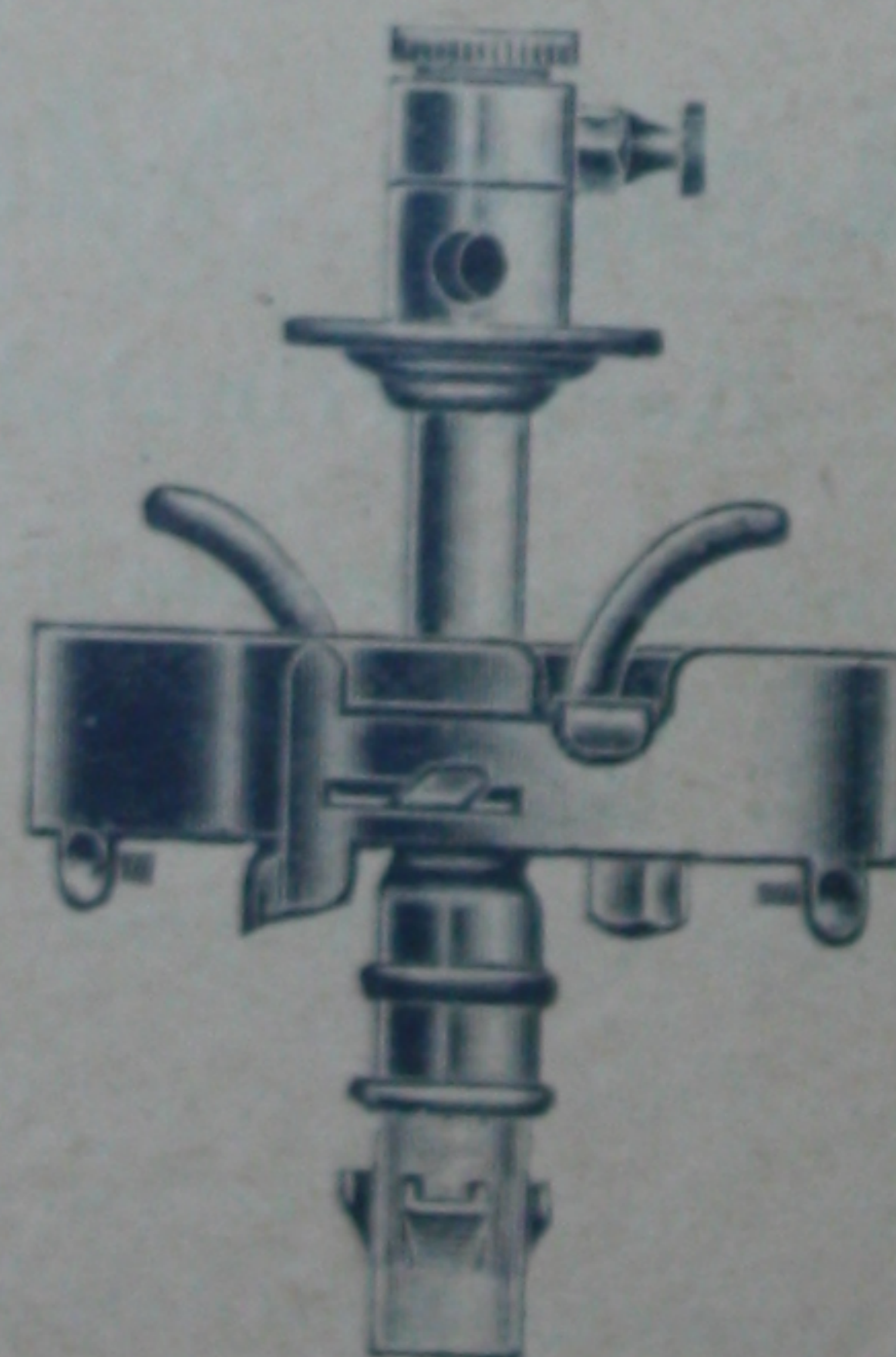
Bijou Burner, with
China Plate and
Gas and Air Regulators,
21/6 per doz.

By gross lots,
20/- per doz.



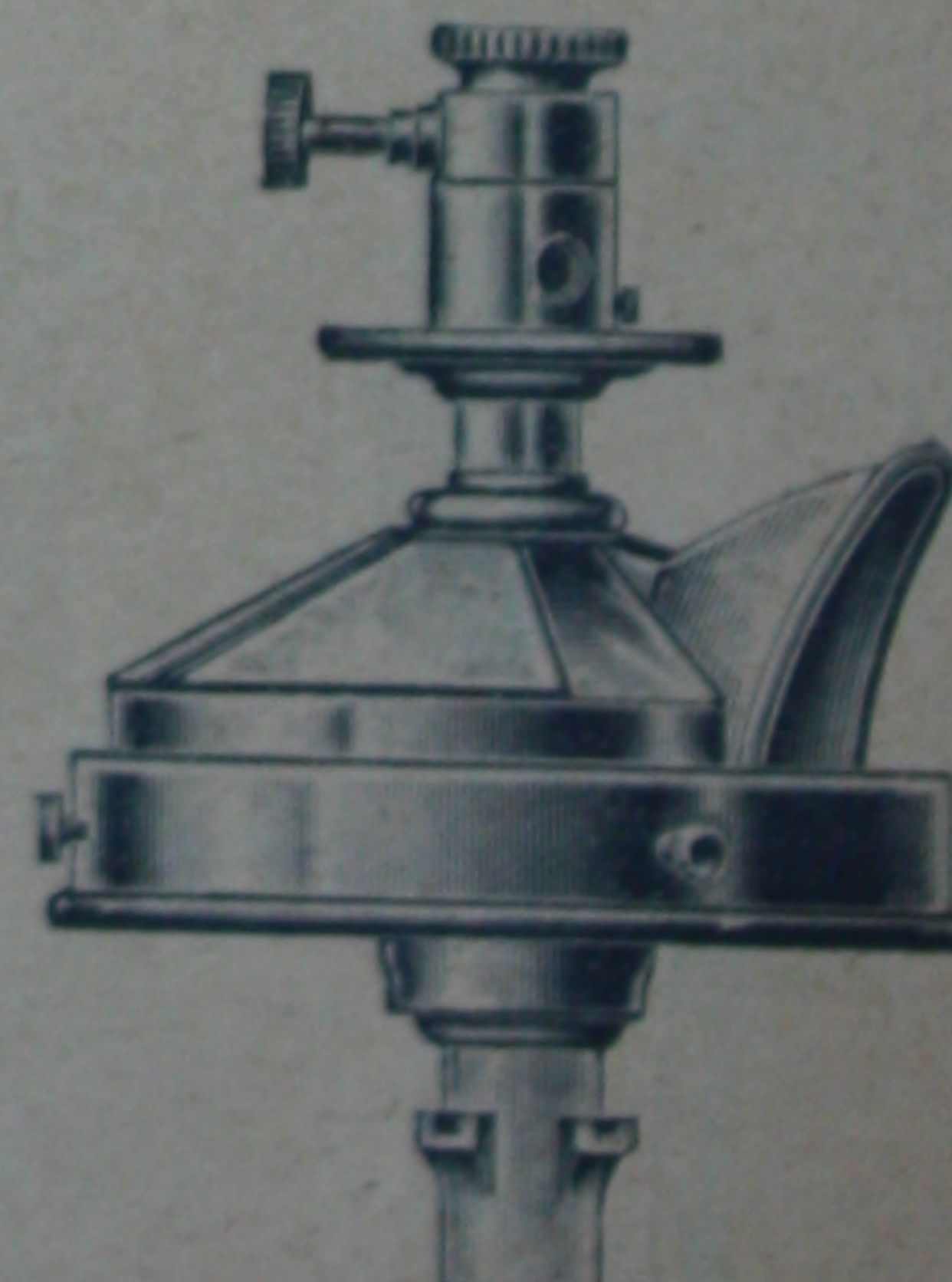
No. W505.

36/- per doz.
By gross lots, 34/- per doz.



No. W481.

Steel Bronzed.
With Gas and Air Regulators,
33/- per doz.
By gross lots, 30/- per doz.



No. W482.

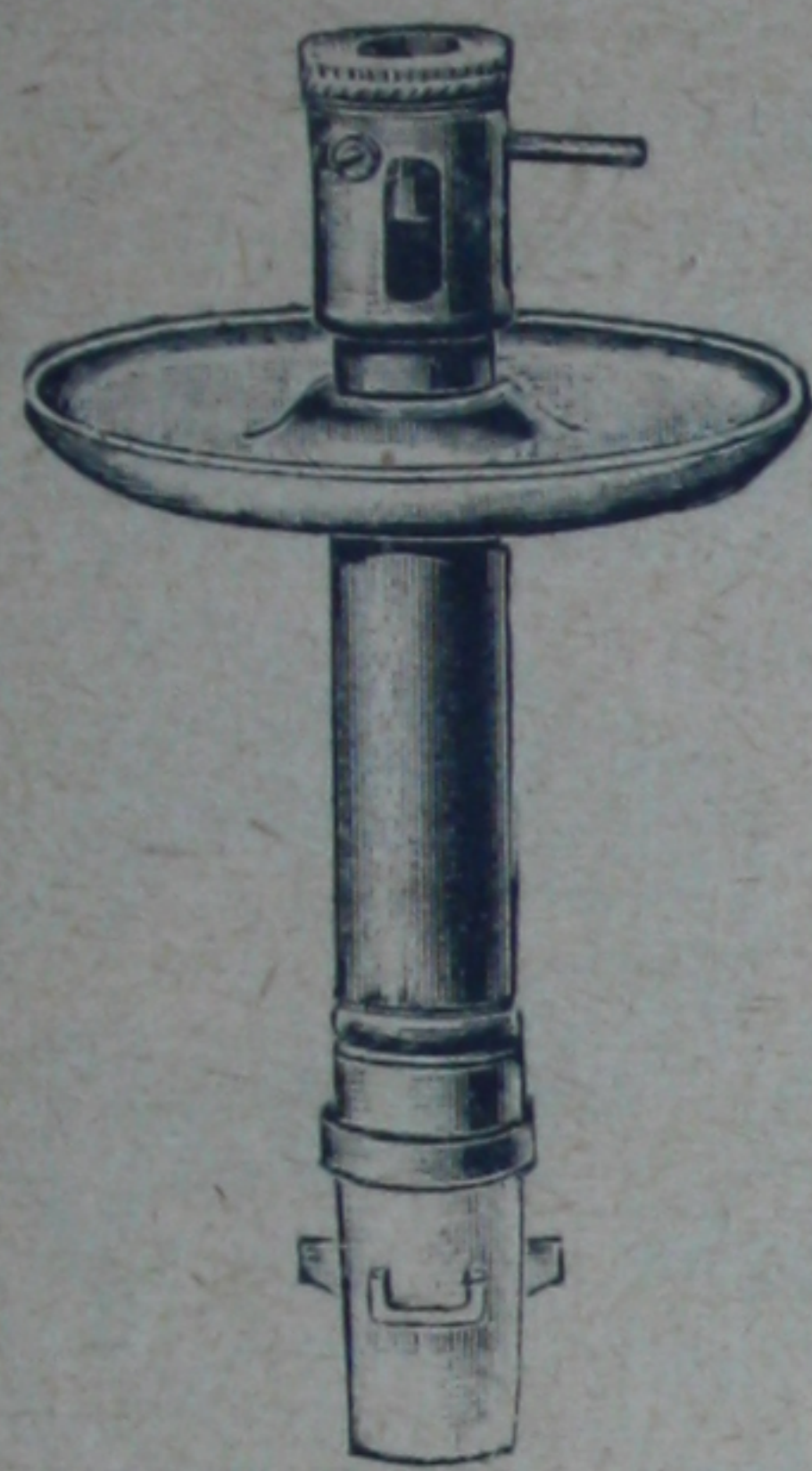
With Gas and Air Regulators,
36/- per doz.
By gross lots, 34/- per doz.

For By-Pass Lever and Chains see page 33.



Sunlight, &c., Inverted Burners.

Sold by The Welsbach Company as Agents for New Sunlight Incandescent Company (1900), Ltd.



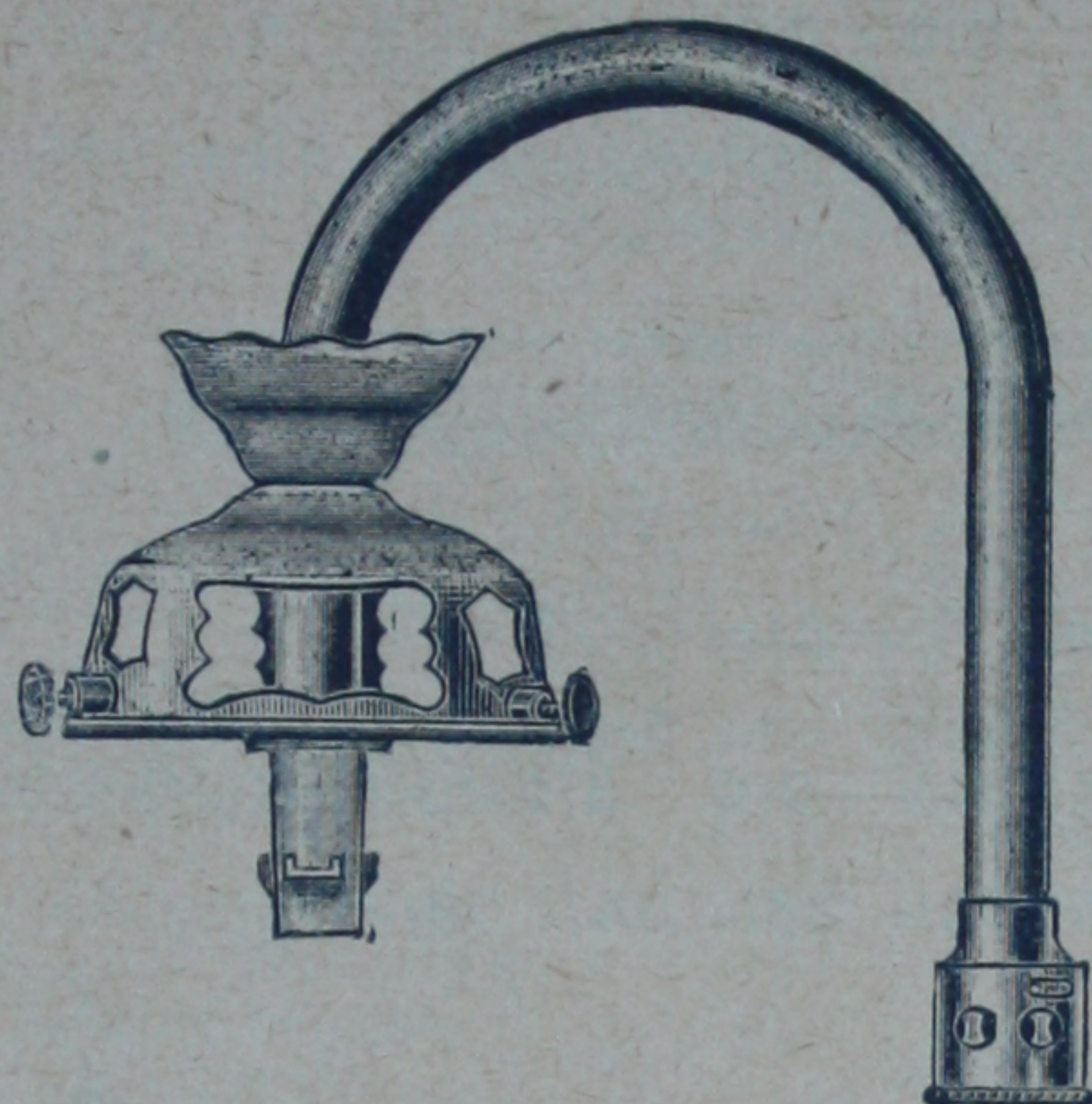
No. W490.

Polished Steel or Copper Bronzed
Burner, for use with Hall Lamps, &c.

14/6 per doz.

Ditto, with Gas Regulator,

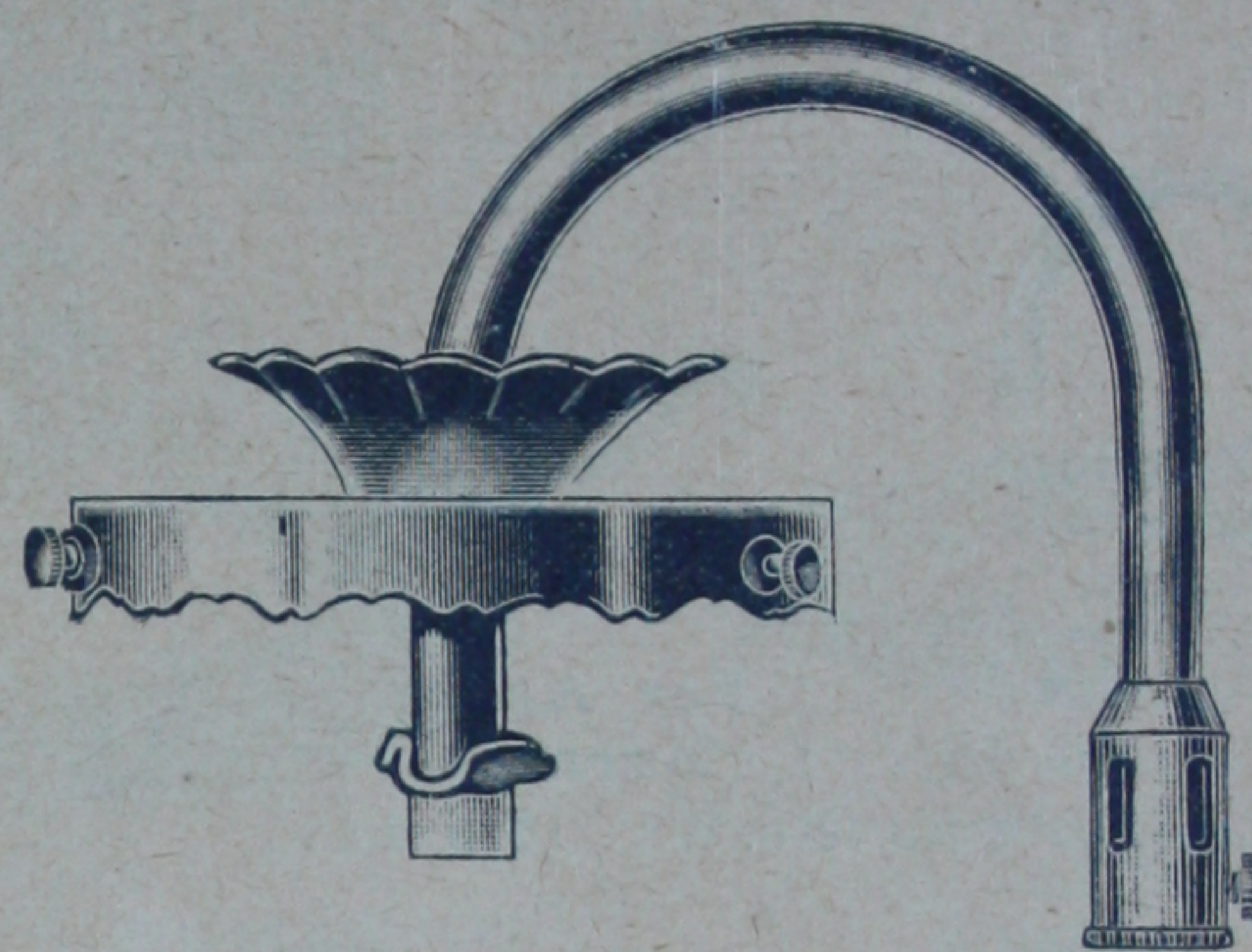
20/6 per doz.



No. W503.

Bijou size.

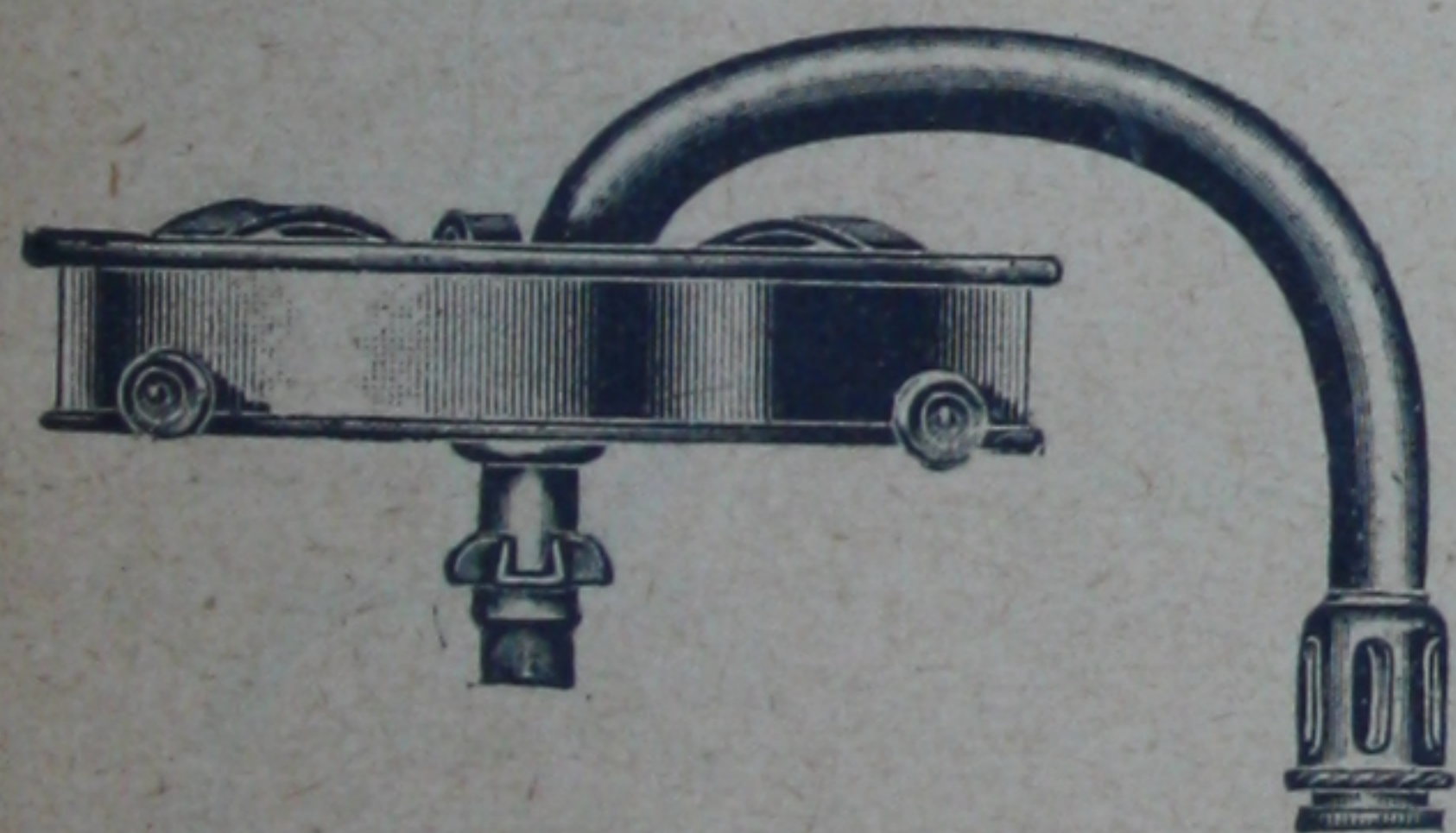
16/6 per doz.



No. W476

13/- per doz.

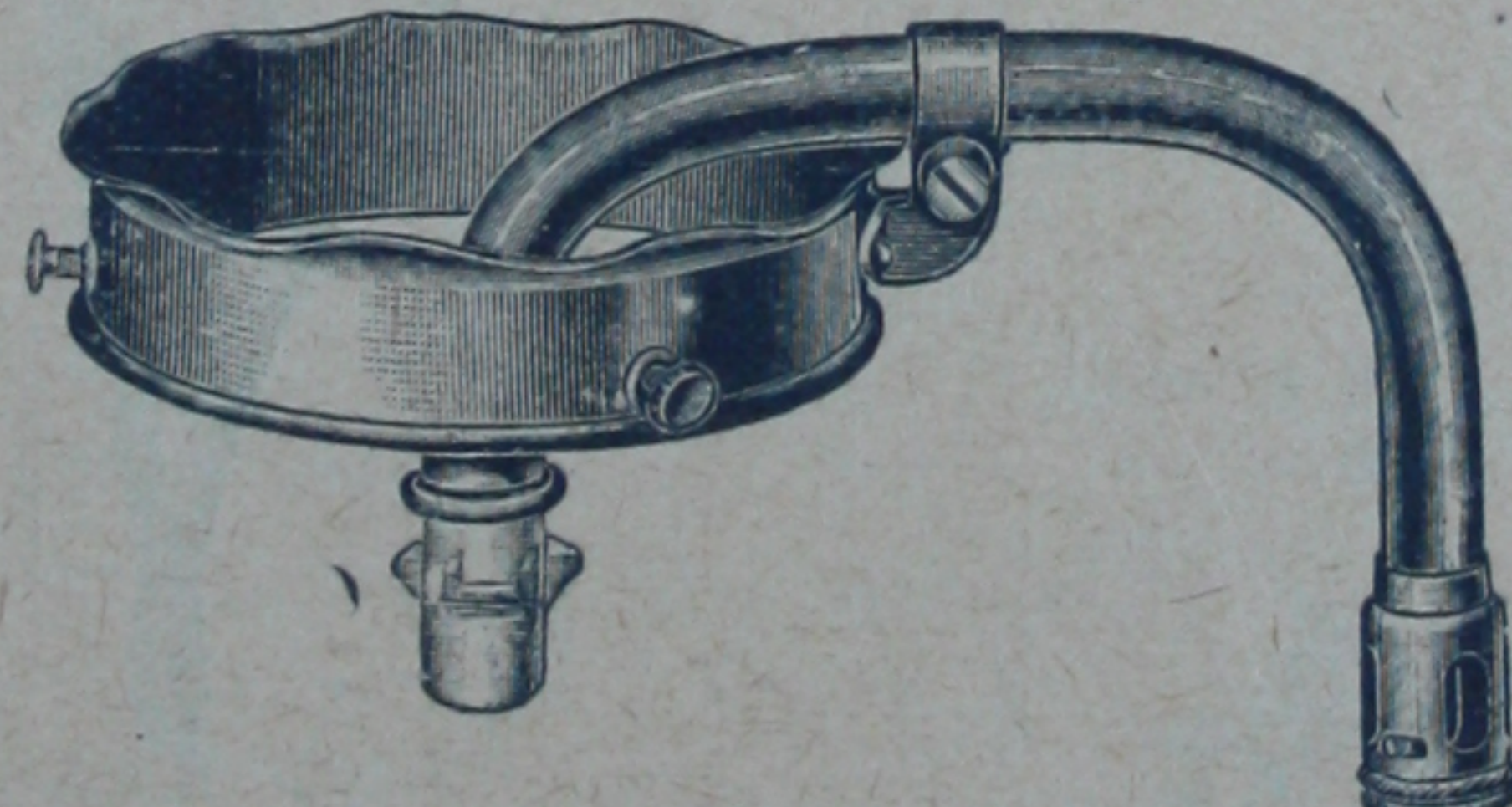
Gas Regulators, **6/-** per doz. extra.



No. W491.

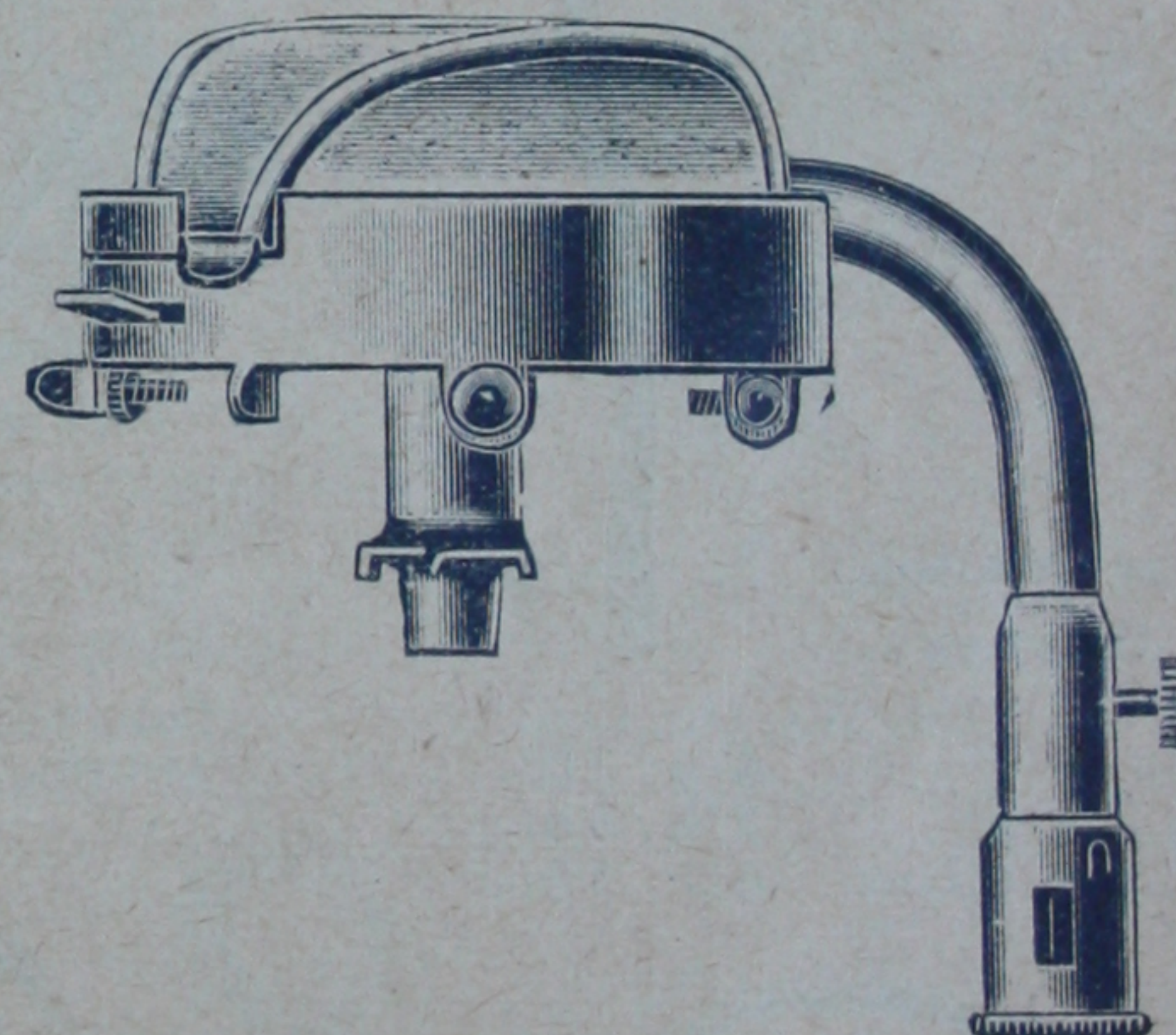
13/- per doz.

With Gas Regulator, **6/-** per doz. extra.



No. W492.

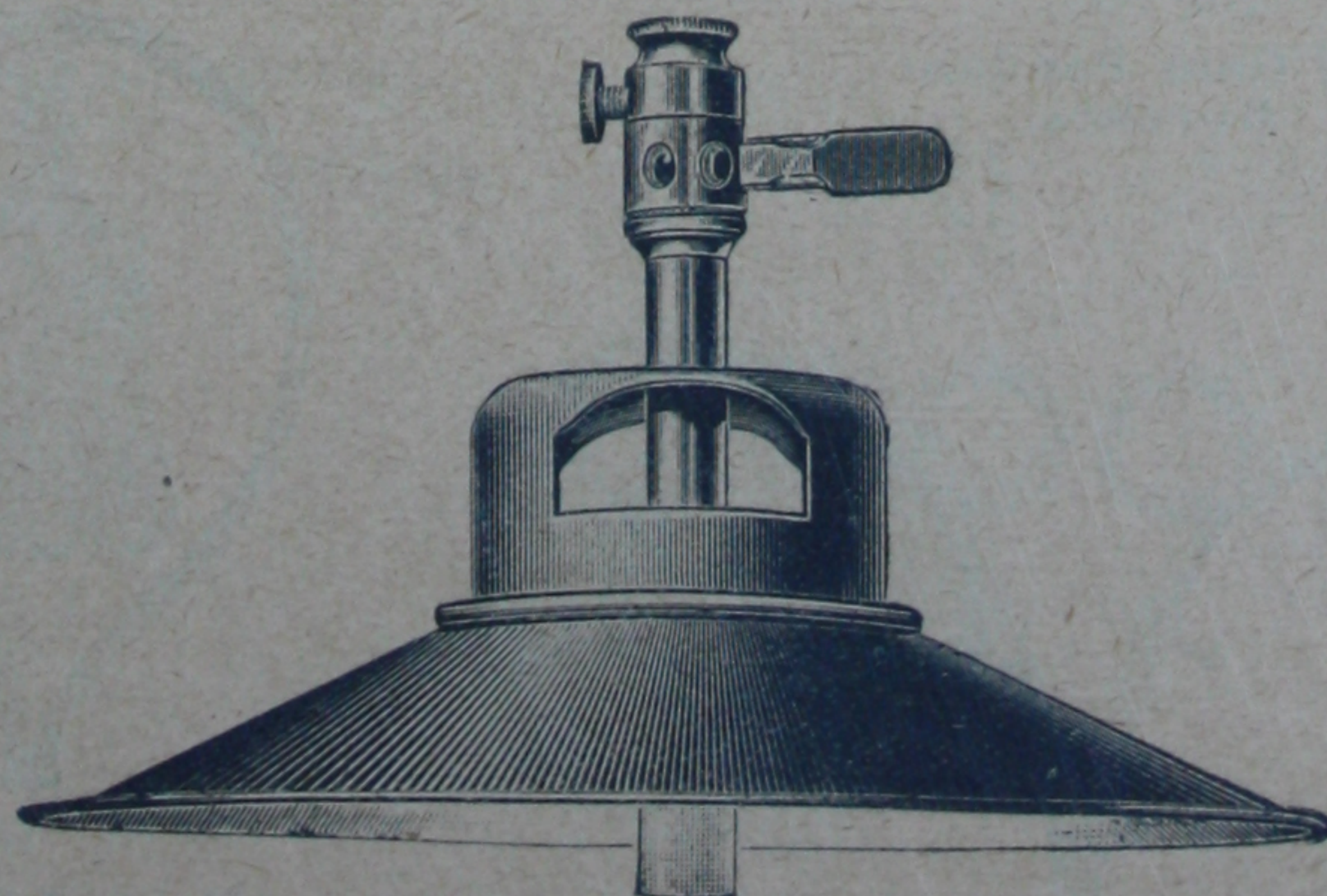
18/- per doz.



No. W480.

39/- per doz.

By gross lots, **36/-** per doz.



No. W493.

Sunlight Factory Burner and Reflector, **30/-** per doz.

With By-Pass, Levers, and Chains, **18/-** per doz. extra.

WELSBACH LIGHT

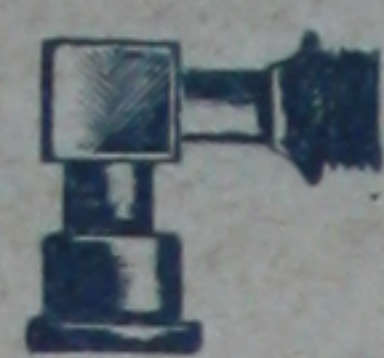
ADAPTERS

(UNION WITH EXISTING GAS FITTINGS) FOR INVERTED BURNERS.



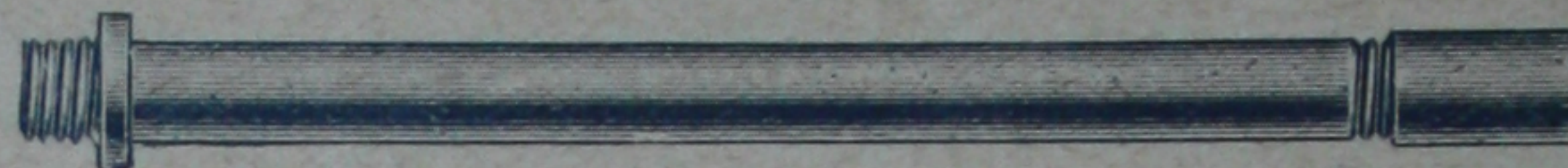
For Pendant Burners.

No. W1 ... 12/- doz.



For Angle Burners.

No. W4 ... 3/6 doz.



No. W6100.

Straight Adapters. (Male and Female).

2-in.	3-in.	4-in.	6-in.	8-in.	9-in.	10-in.
2/-	2/4	2/6	3/6	4/-	4/4	5/- doz.

By gross
lots ... 23/- 26/6 27/- 38/- 43/- 48/- 50/- gross.



No. W13.

Ball Adapter
for Angle Burners.
3/6 doz.



No. W15B.

Adapter
for Angle Burners.
8/6 per doz.



For Pendant Burners.

No. W2.

3-in. x 3/8 ... 3/6 40/-

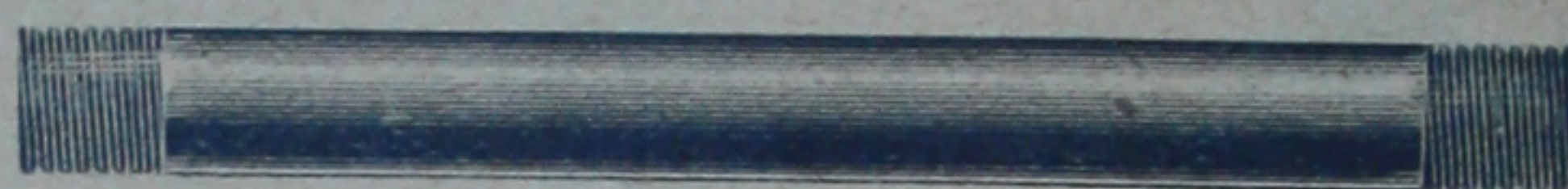
4-in. x 3/8 ... 4/- 45/-

3-in. x 1/4 Gem, 4/- 44/-



For Angle Burners.

No. W5 ... 5/6 doz.



No. W6101.

Straight Adapters. (Male).

2-in.	3-in.	4-in.	6-in.	8-in.	9-in.	10-in.
1/3	1/8	2/-	2/6	3/1	3/6	4/- doz.

By gross
lots ... 14/- 18/6 22/- 28/- 36/- 38/- 45/- gross.



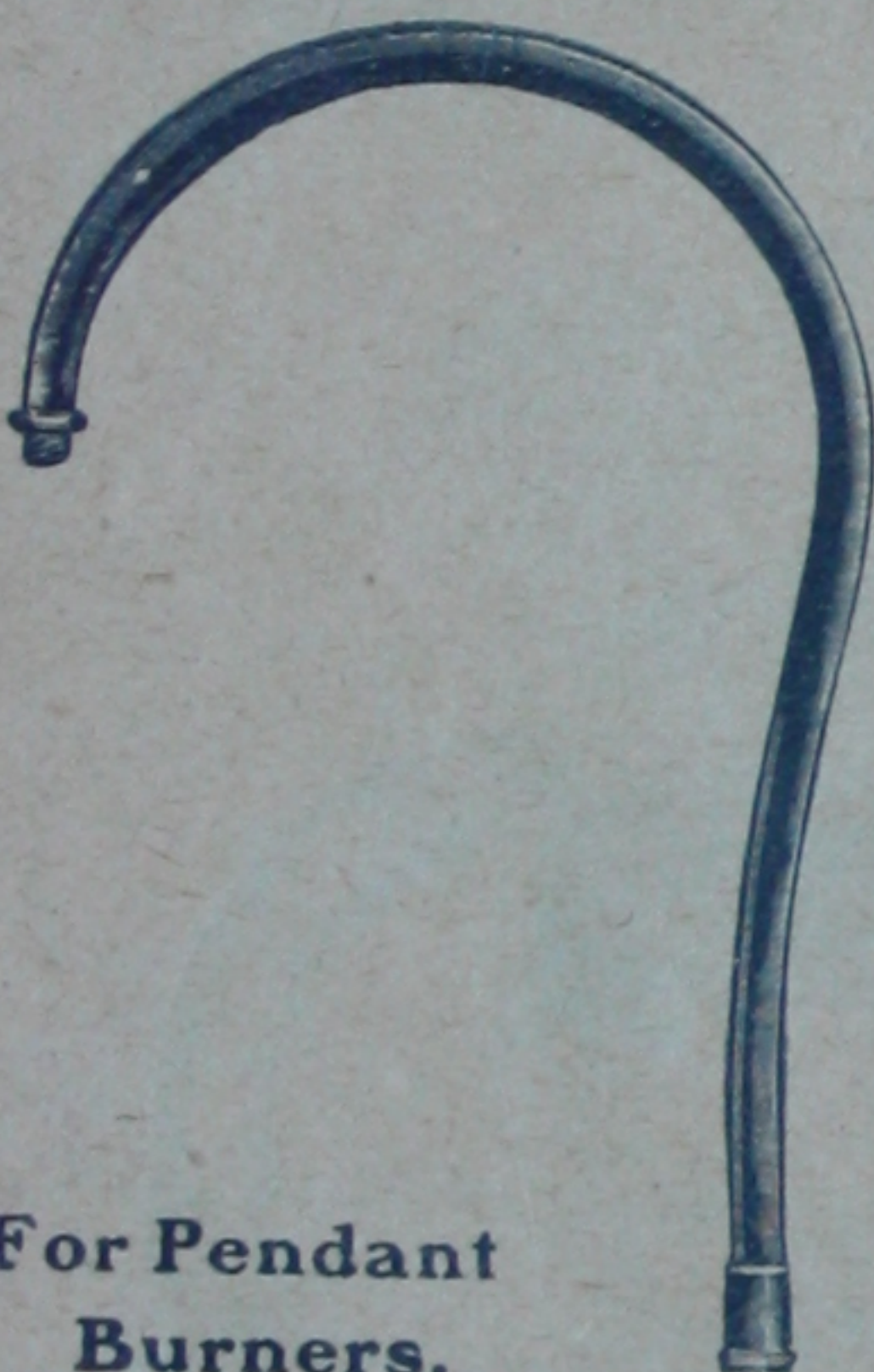
No. W14B.

Adapter
for Angle Burners.
8/- per doz.



No. W2101.

2-Light Adapter
for Gem Pendant
Burners, 16/6 doz.



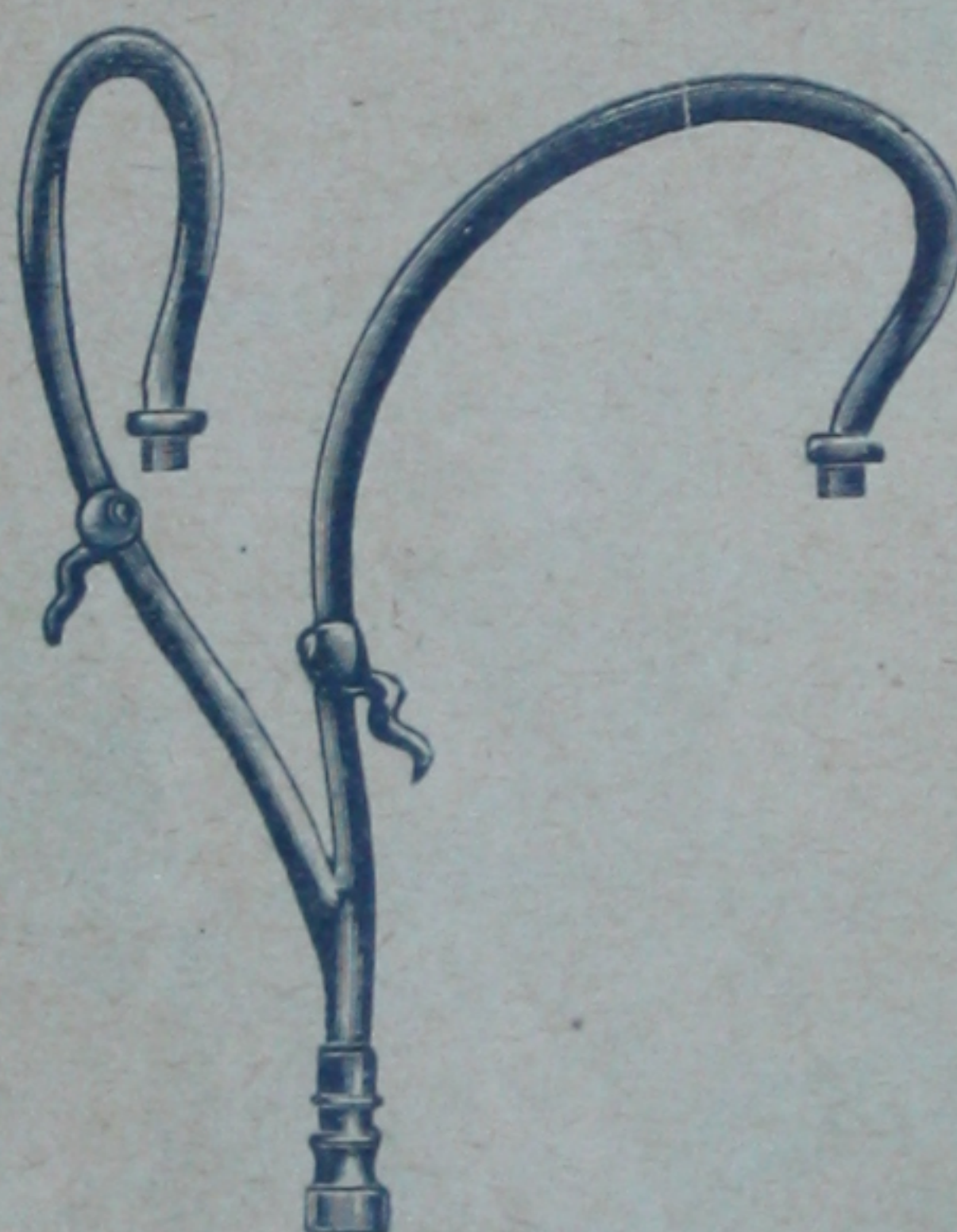
For Pendant Burners.

No. W3. Doz. Gross.

9-in. x ... 6/6 72/-

11-in. x ... 7/6 84/-

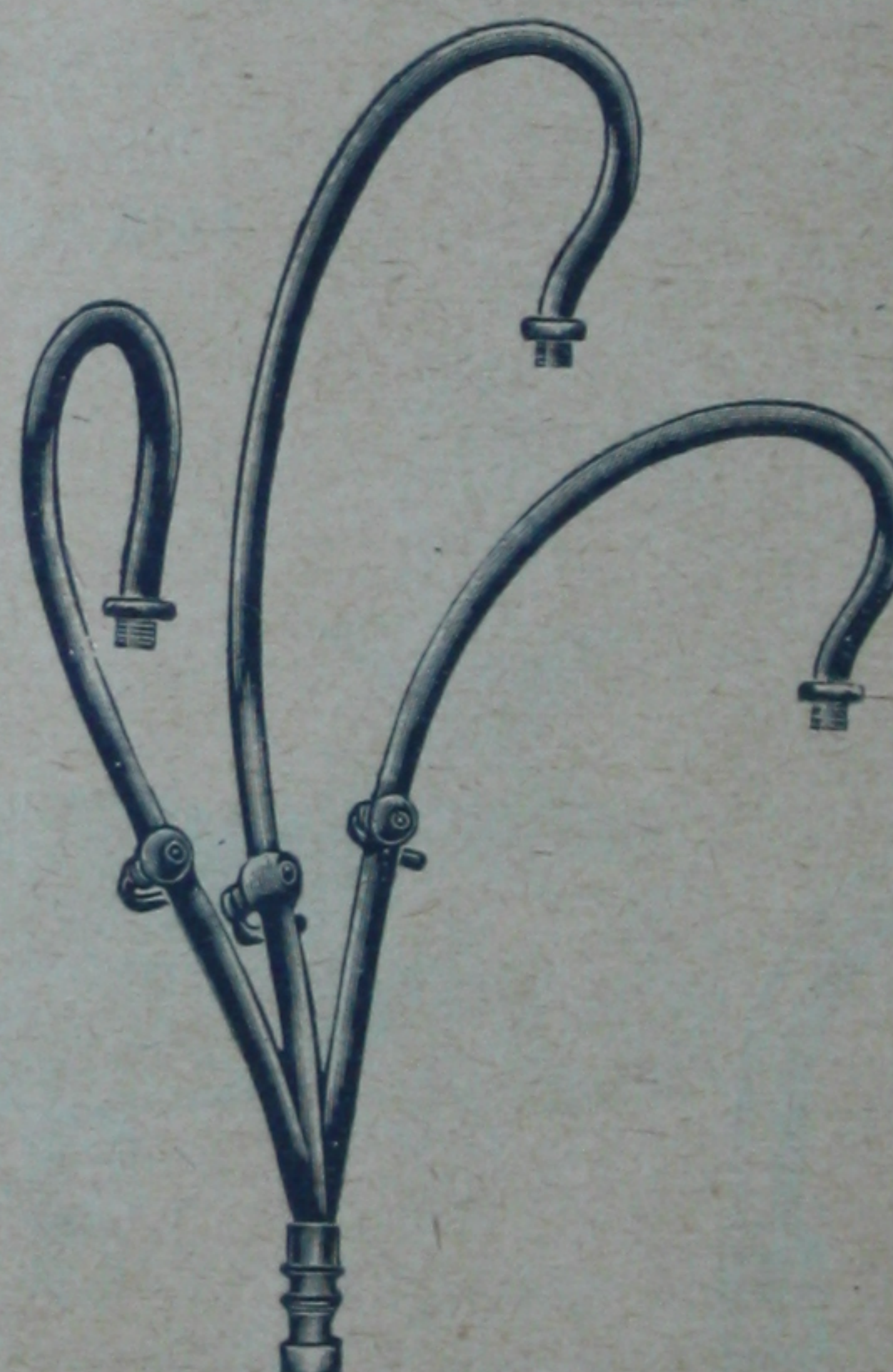
6 1/2-in. x 1/4 Gem 6/- 70/-



No. W8.

Polished Brass ... 5/6 each.

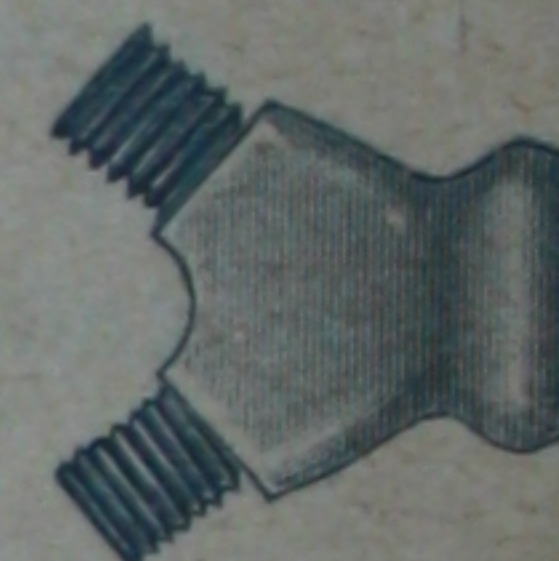
Antique Copper ... 6/- "



No. W9.

Polished Brass ... 7/- each.

Antique Copper ... 7/6 "



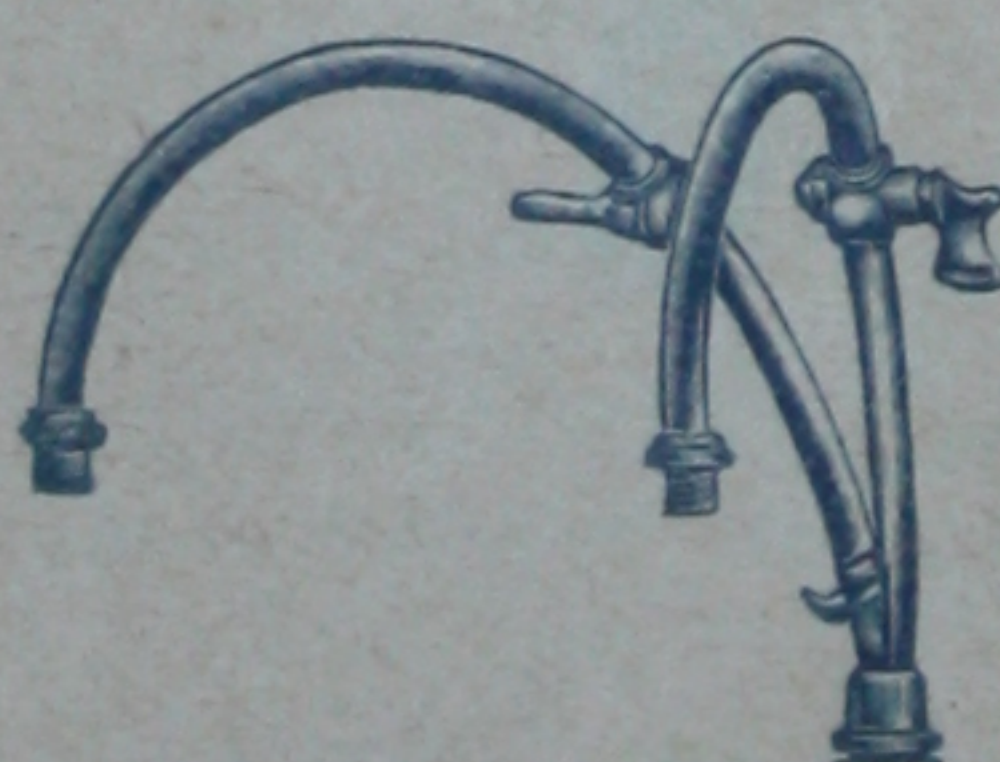
No. W208b.

2-Light Adapter
for Gem Angle Burners.
10/- doz.



No. W7.

Polished Brass 1/9 each.
Antique Copper 2/- "

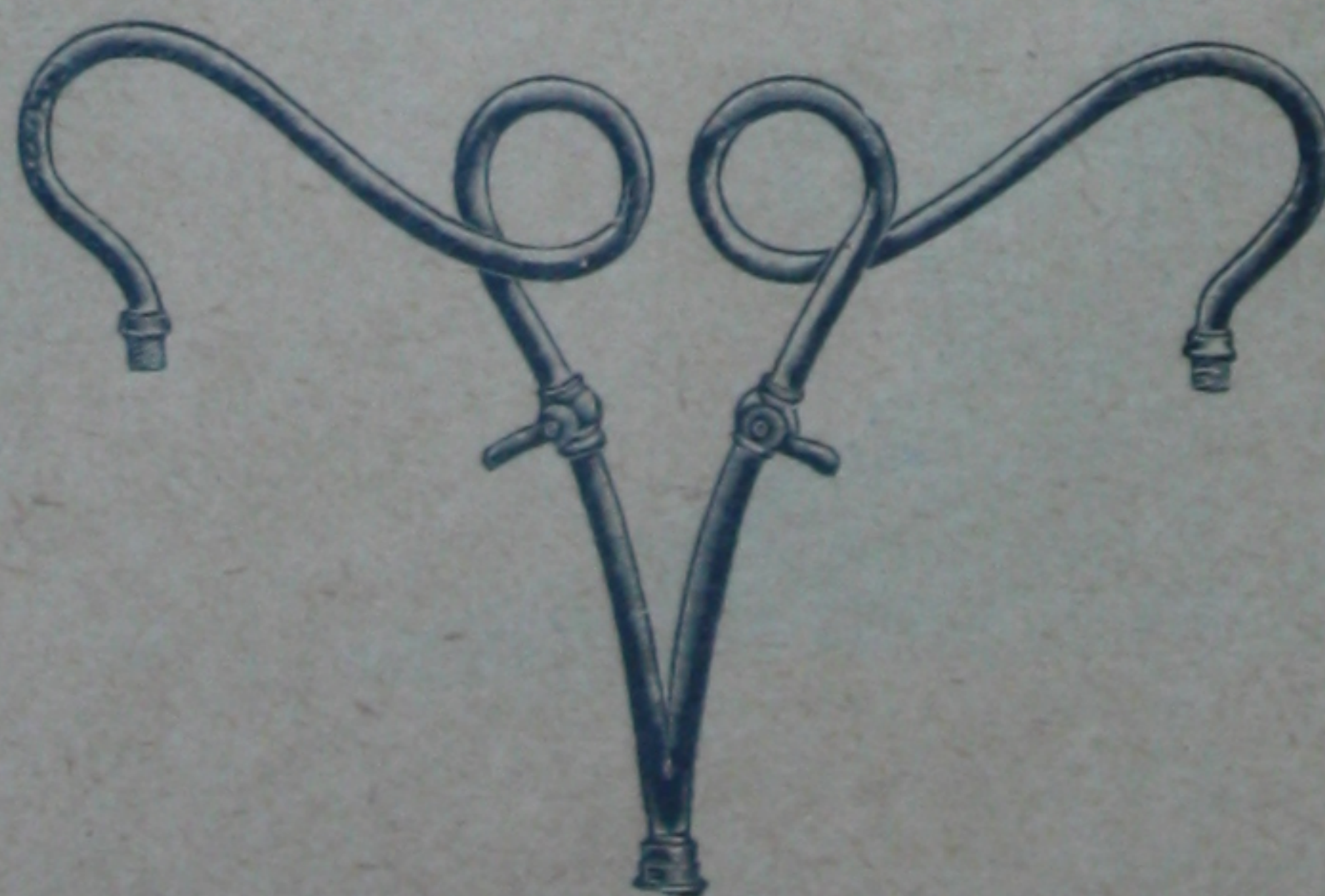


No. W12.

For Gem Pendant Burners.

Polished Brass ... 32/- doz.

Antique Copper ... 36/- "



No. W2250.

Polished Brass ... 4/6 each

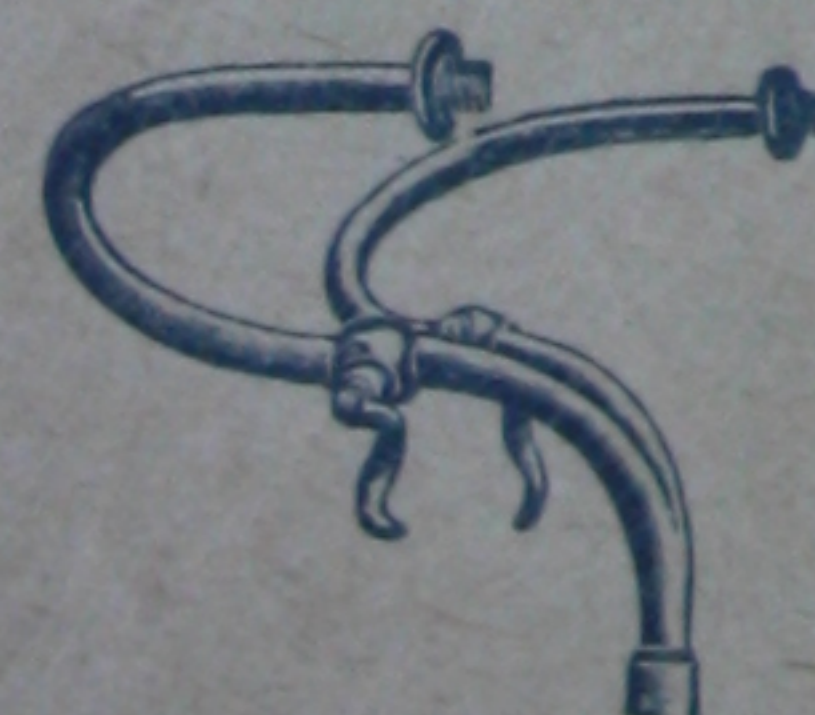
Antique Copper ... 5/- "



No. W16B.

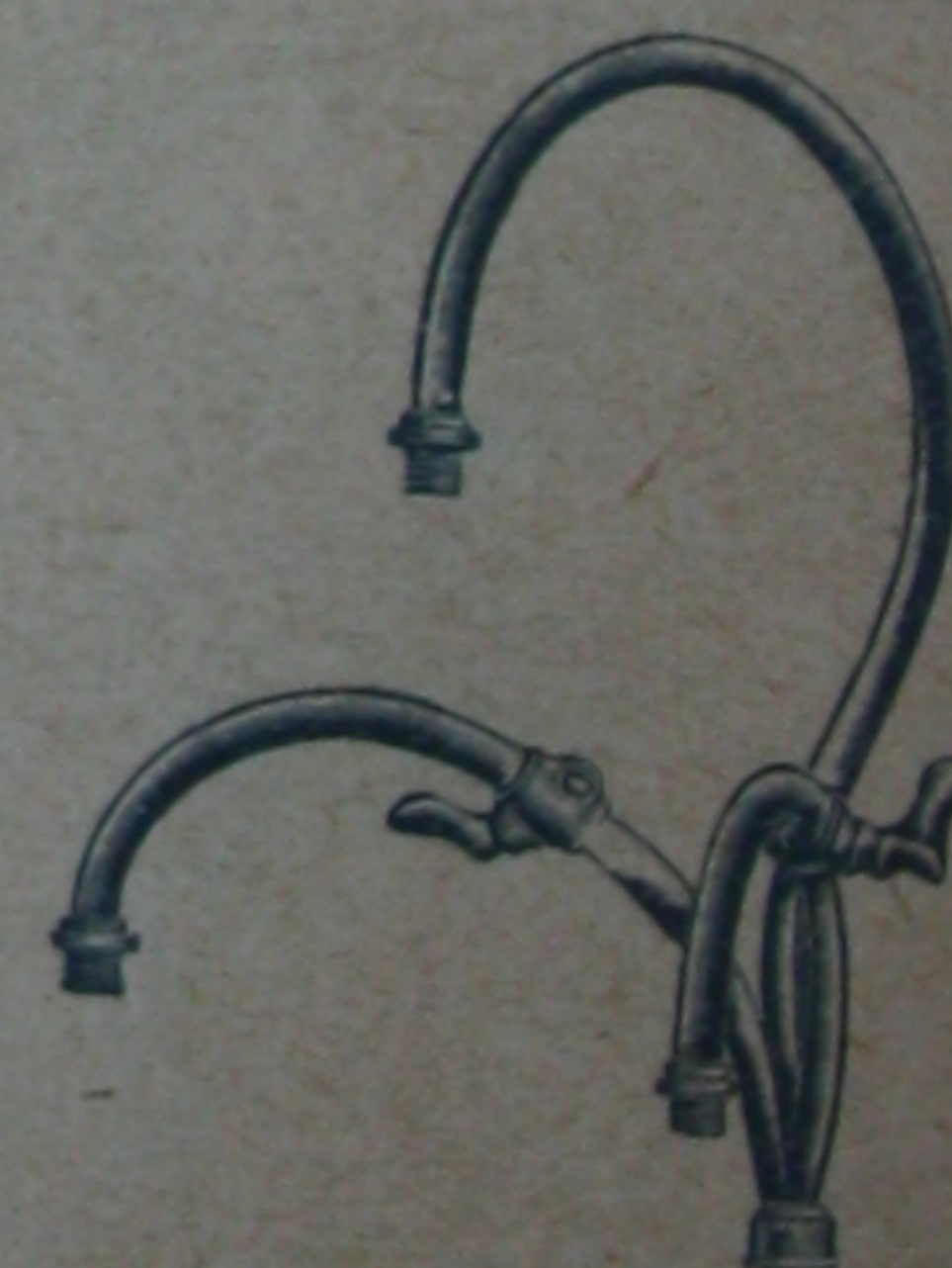
Harp Adapter
for Pendant Burners.
2/6 each.

Steel Bronze, 2/9 each.
Burner and Globe extra.



No. W11A.

Polished Brass 5/- each.
Antique Copper 5/6 "



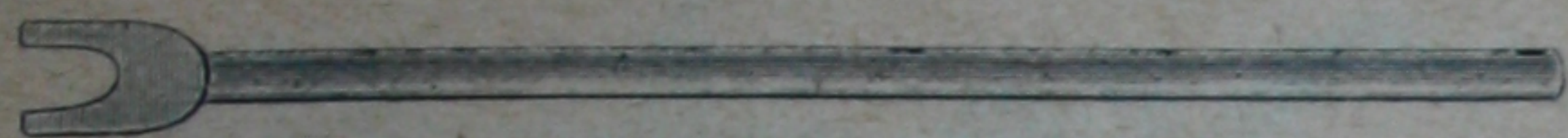
No. W2248.

For Gem Pendant Burners.

Polished Brass 3/6 each.
Antique Copper 3/9 "

WELSBACH LIGHT

MANTLE RODS



Best Magnesia Mantle Rods.

No. W5022.

For C, Gem, and all sizes of Kern Burners to No. 4.
1/8 per gross. 10/- per 1,000.

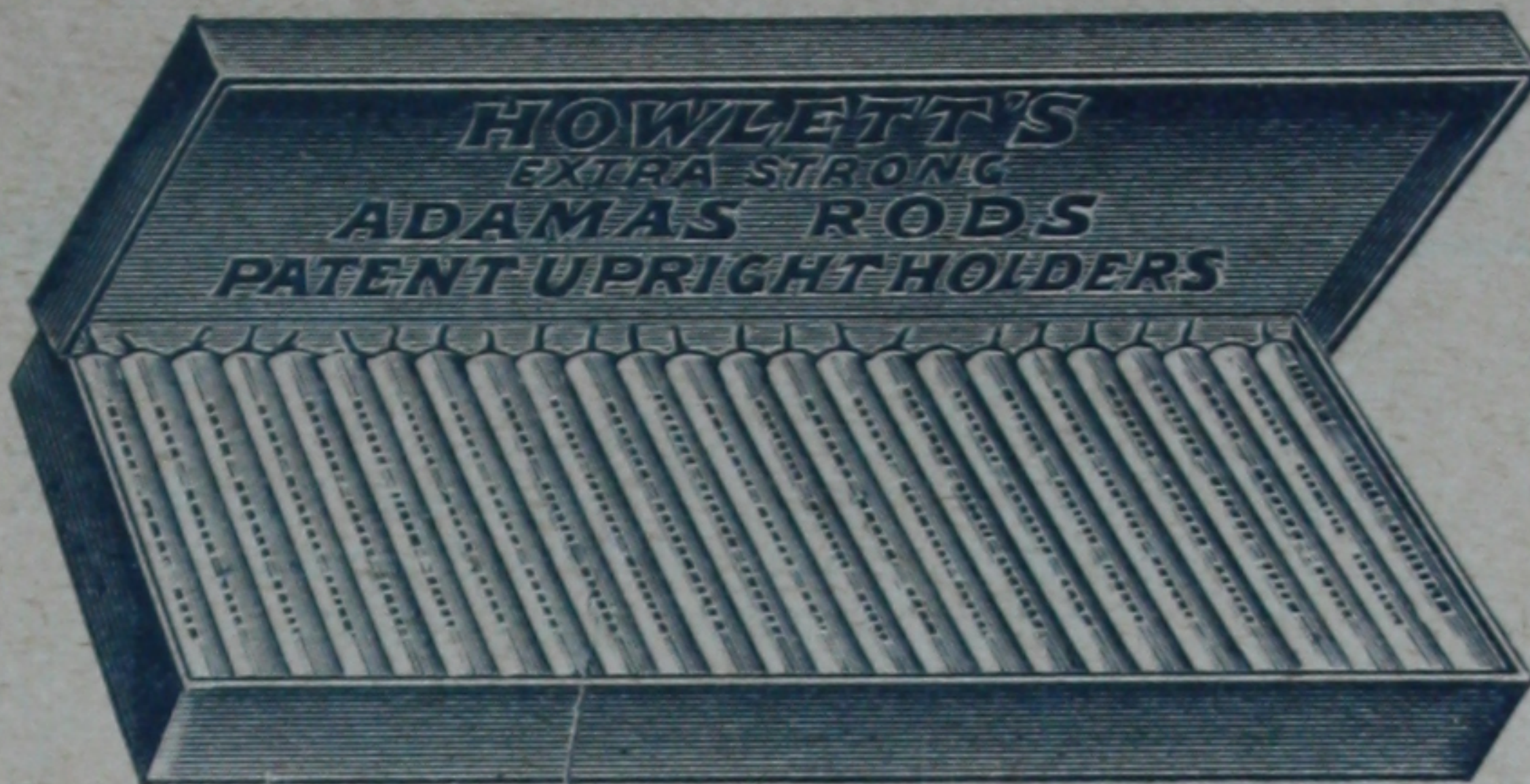
Steel Rods, for C Burners, 1/- per gross.

Hollow Magnesia Rods.

2/- per gross. 13/- per 1,000.

No. W5023. Rods for S.I. 300-600 c.p., and No. 7.
4/- per gross. 24/- per 1,000.

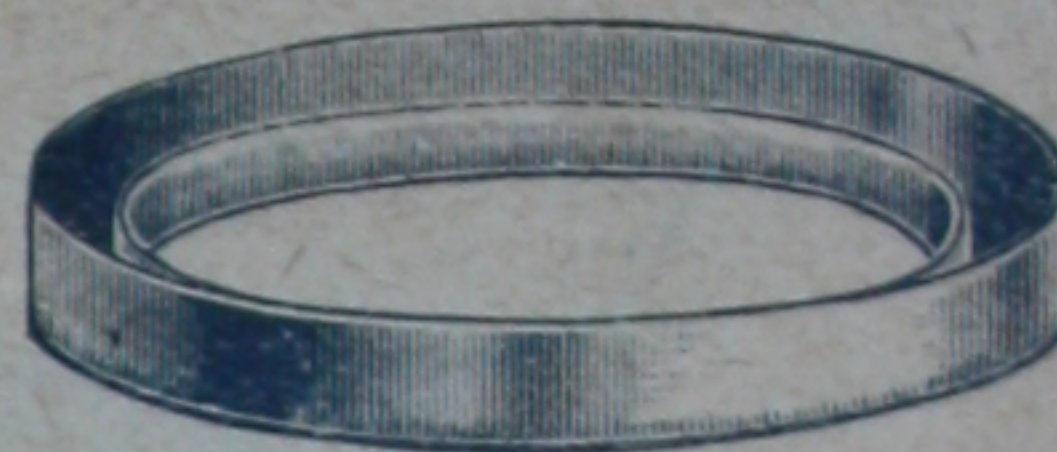
SUNDRIES.



No. W127. 4/6 per box of 100 Forks.



No. W128.
Rod
Clips,
4/-
per gross.



No. W2800.
Globe Ring,
to fit Gem Burner, and
to take No. 1 Kern Globe.
2/6 per doz.



No. W500.
Globe Ring, Sunlight or
Gladiator Pattern.

1/- per doz. 10/6 per gross.



No. W5006.
C and Simplex
Globe Rings.
2/- per doz.
20/- per gross.



No. W2801.
Globe Ring to fit C Burner and take
Nos. 2 and 3 Kern Globes.
1/- per doz.



No. W5007.
Gem Globe Rings,
for Gem Burners.
2/- per doz.
20/- per gross.



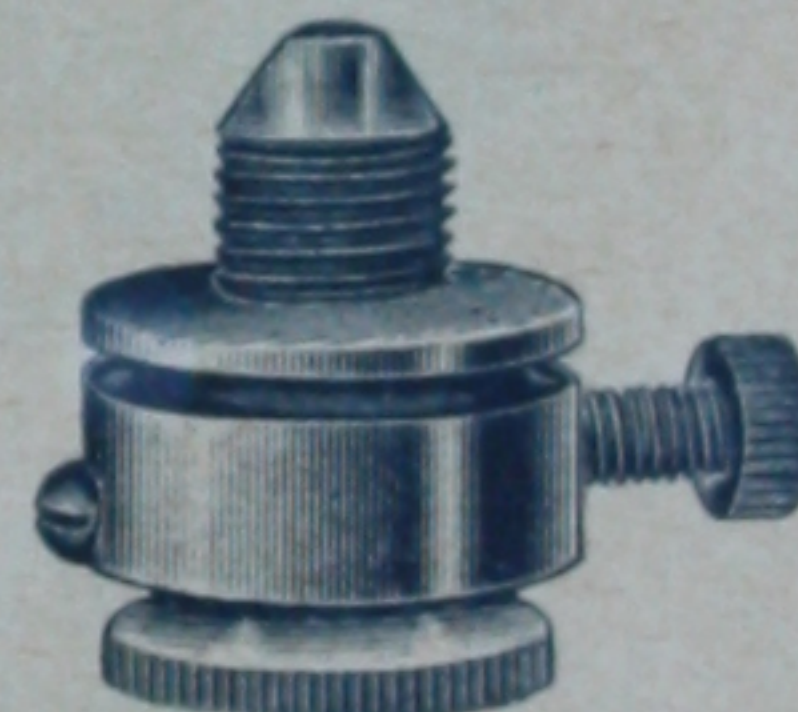
No. W38.
Globe Rings for Fig. W14
"C" Set.
3/6 per doz. 40/- per gross.



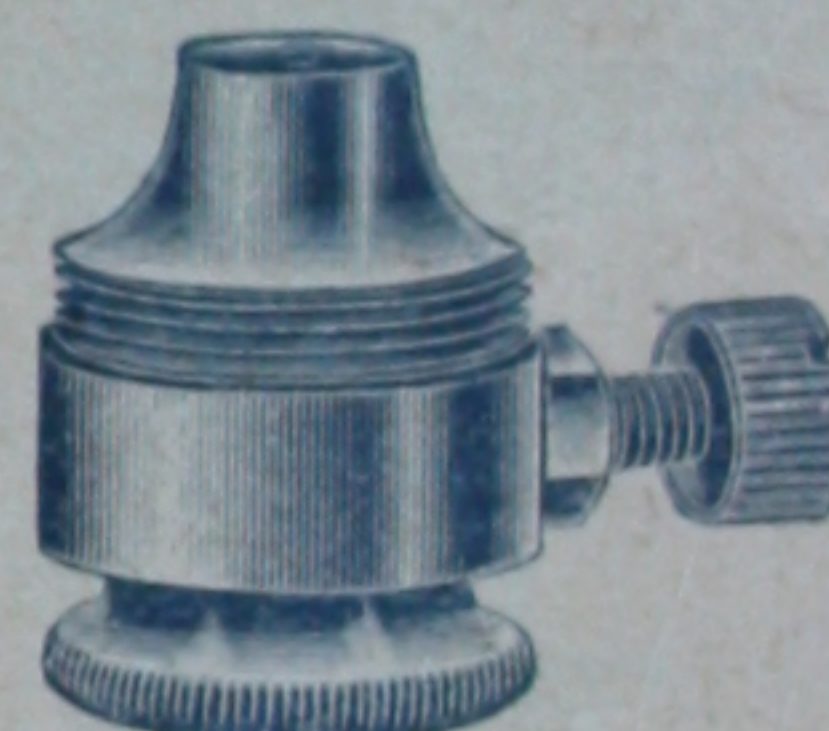
No. W5009.
Adapters,
Medium,
7d. per doz.
6/6 per gross.
Heavy Cast,
10d. per doz.
9/- per gross.



No. W124.
Cast Nipple,
for C Burner.
2/- per doz.
23/- per gross.



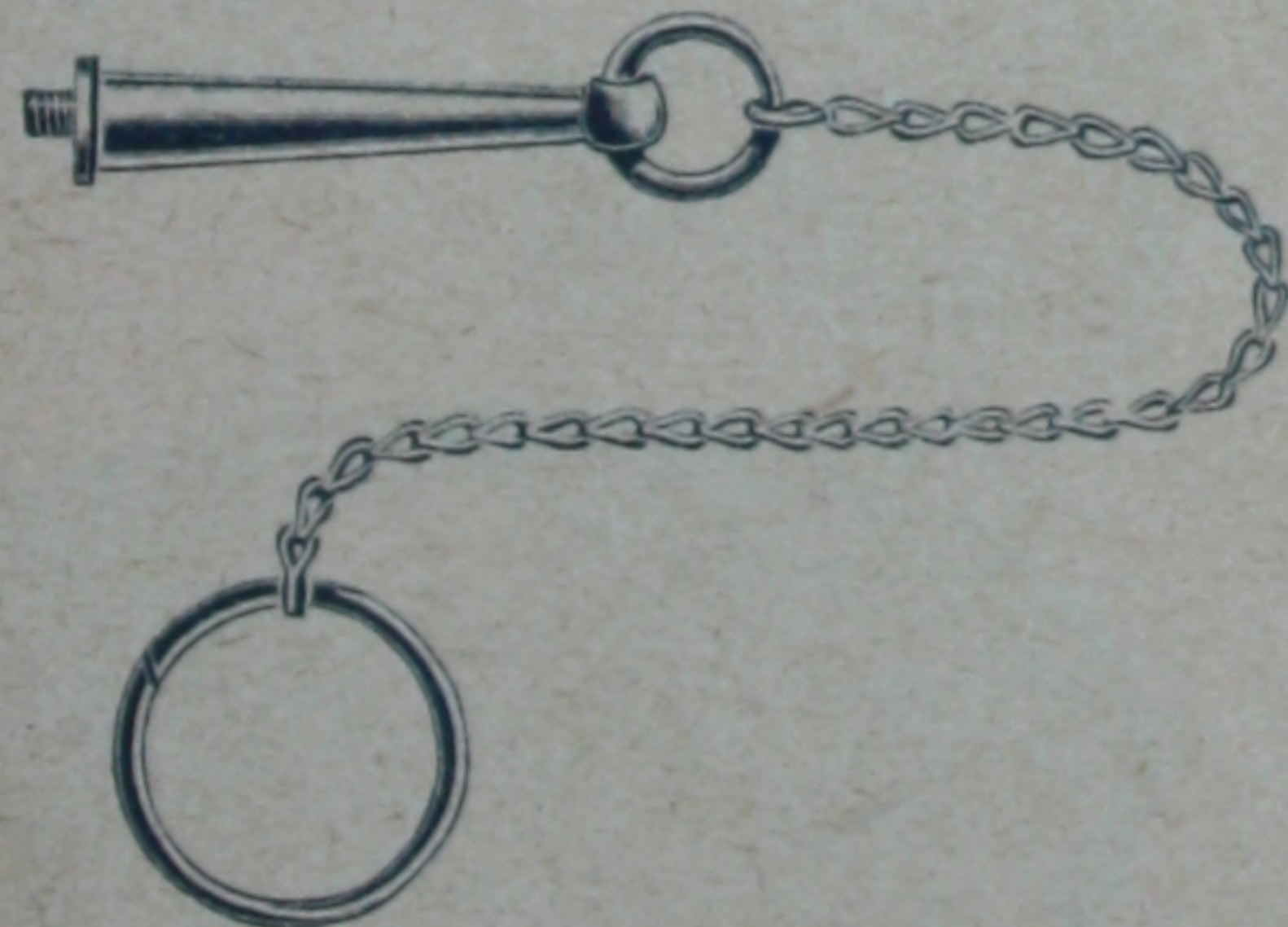
No. W125.
C By-Pass Nipple.
1/- per doz.
11/- per gross.



No. W129.
Gas Regulator,
for C Burners.
8/- per doz.
90/- per gross.



No. W5048.
Air Regulator,
for C Burners,
8d. per doz.
7/- per gross.



No. W5118.
By-pass Lever and Chain.
3/- per doz.
Chain and Rings only ... 1/9 doz.



No. W2321A.
Split Rings.
3/8-in. 1-in. 1 1/2-in. 2-in.
2/9 3/6 12/6 20/-
per gross.



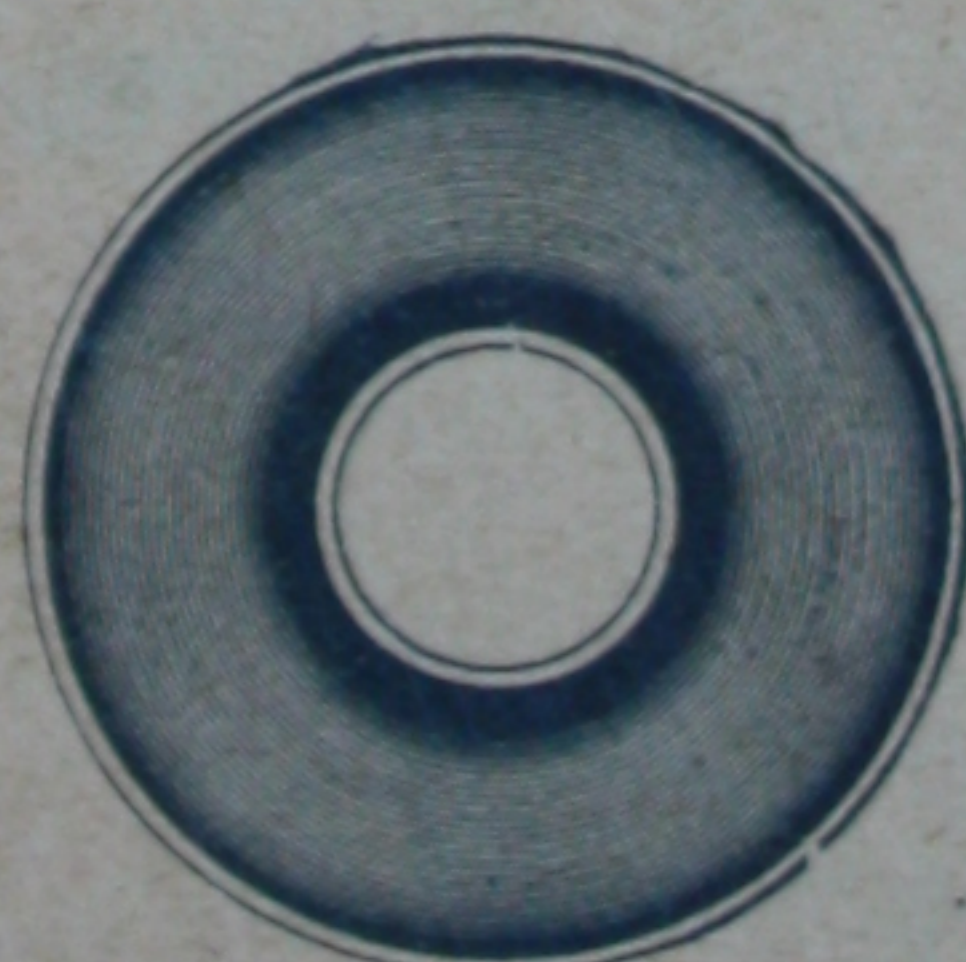
No. W2322A.
S Hooks.
3/8-in. 7/8-in. 1 1/2-in. 1 3/4-in.
1/- 2/6 3/6 7/-
per gross.



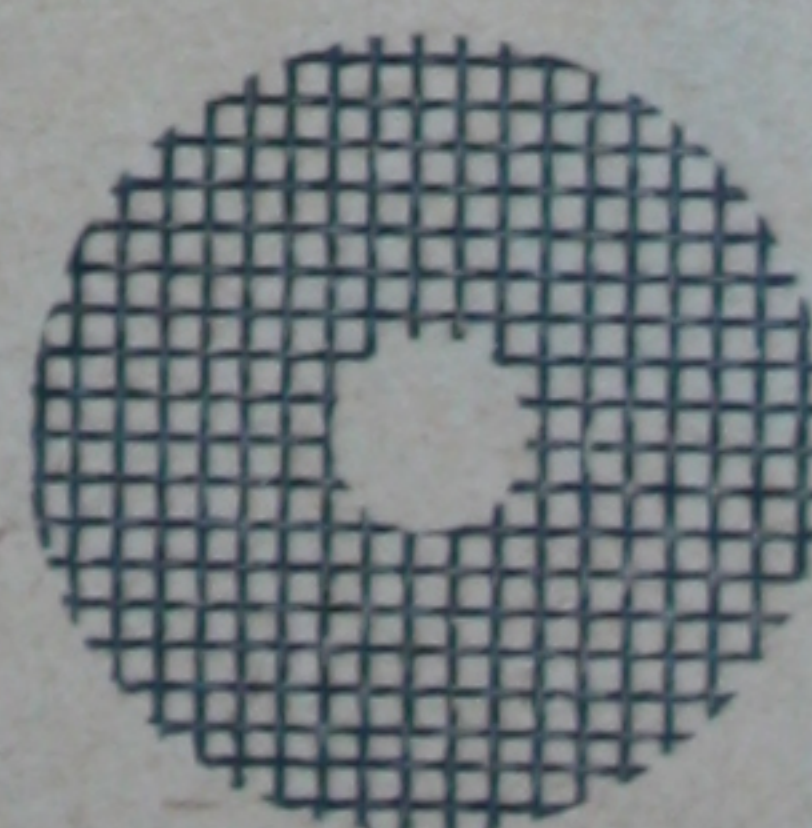
No. W126.
By-Pass Tubes,
for C Burners.
1/- per doz.
11/6 per gross.



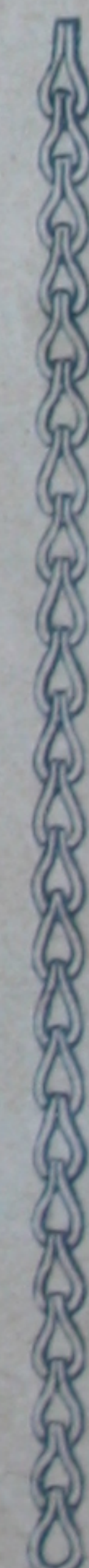
No. W5117.
Ceiling Hook
and Rose, 3/4 doz. pairs.
38/- per gross pairs.
Roses only, 1/4 per doz.



No. W5049.
Lighting Back Plate,
for C and Switch
Burners,
6 1/2d. per doz.
6/- per gross.



No. W130.
Nickelled
Renewal Gauzes,
for C and By-Pass,
Gem and Gem By-Pass
Burners,
6d. per doz.
5/6 per gross.



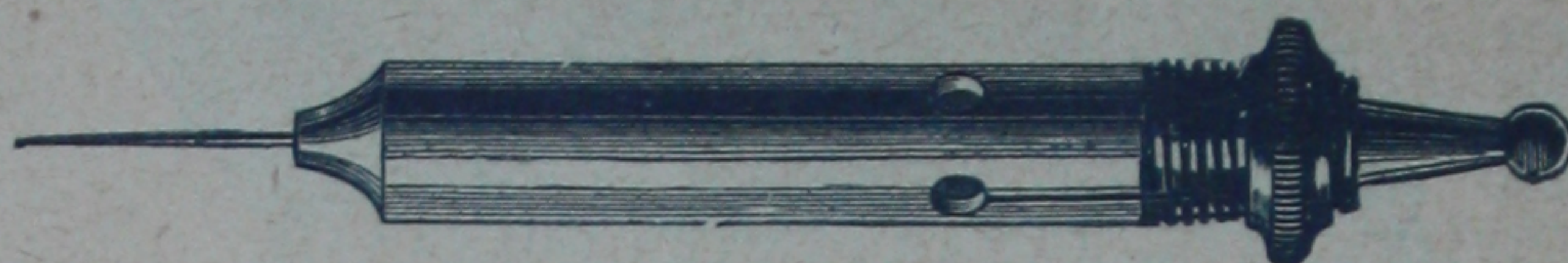
No. W2803.
Brass Chandelier
Chain.
Per doz. yards.
Light ... 3/-
Medium ... 3/6
Heavy ... 3/9

WELSBACH LIGHT

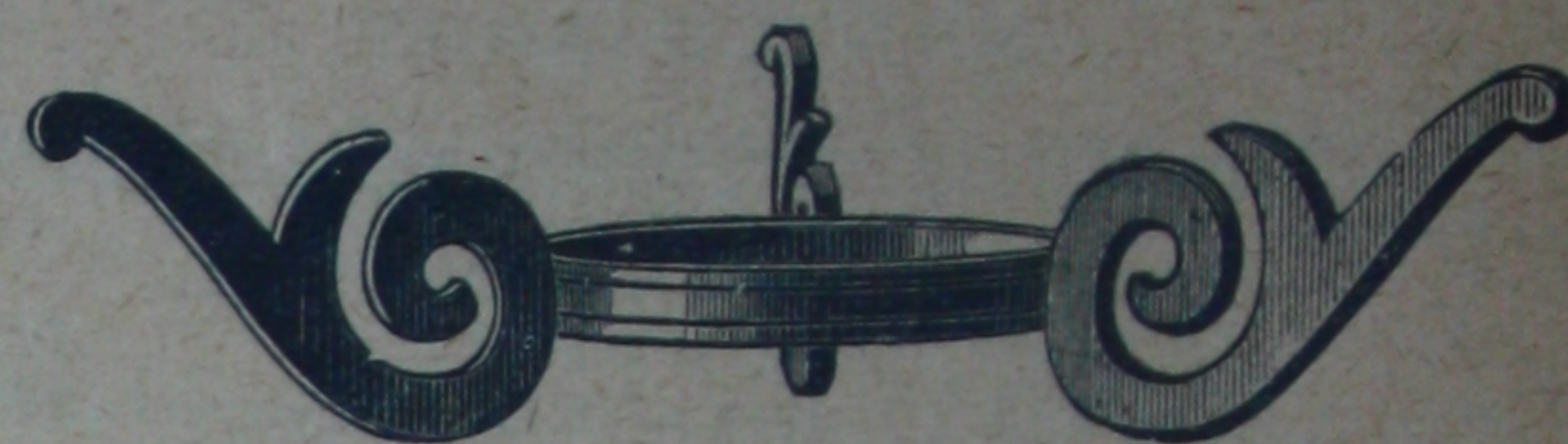
SUNDRIES.



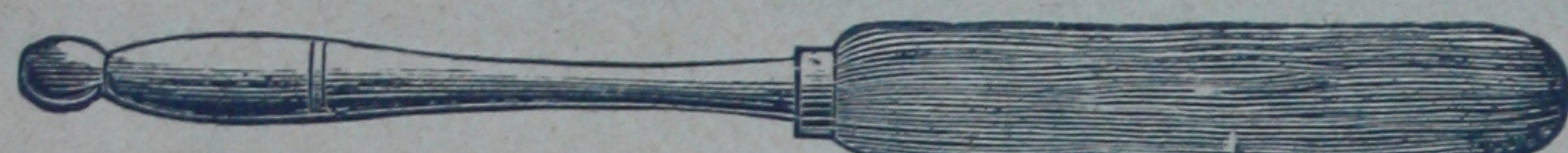
No. W5056.
Air Spray, for cleaning burners.
4/8 each.



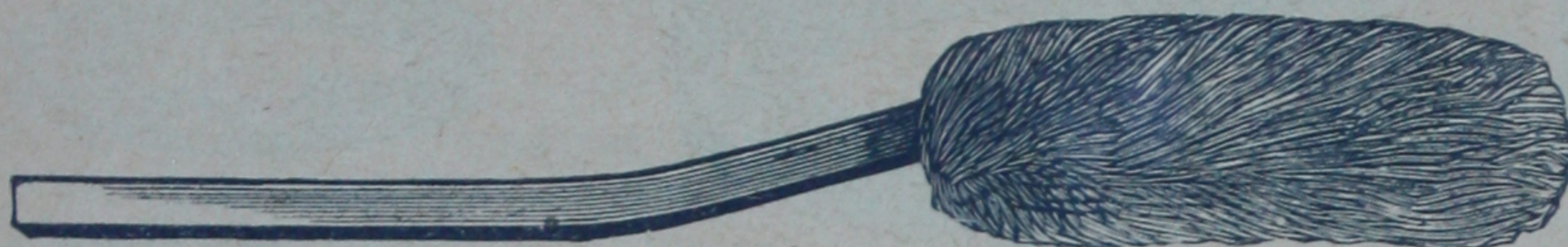
No. W5055.
Broach and Burnisher. For Burner Regulation.
The Broach and Holder 3/4 each.
Extra Needles 3/3 per doz.



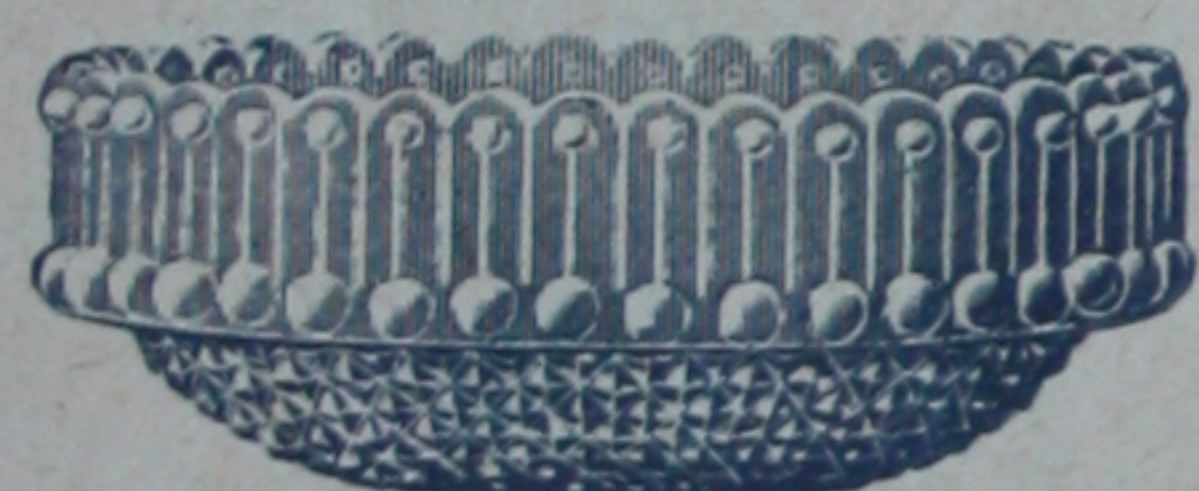
No. W5054.
Comet Globe Holder,
for "C" and Kern Burners,
Nos. 2, 3 and 4 Sizes ... 9/4 per doz.



No. W5059.
Chamois Leather Chimney Cleaner, 10/- per doz.



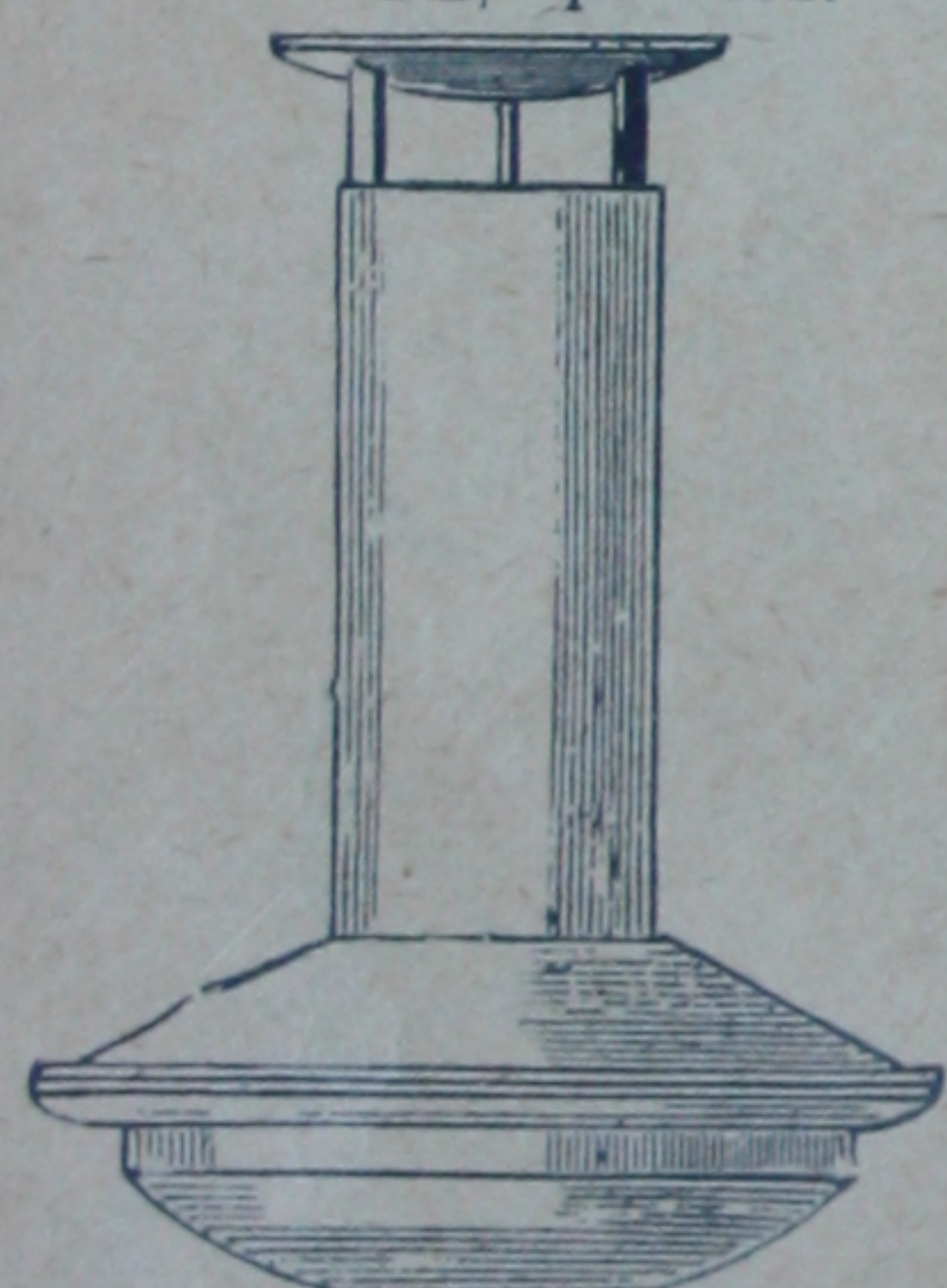
No. W5060.
Wool Chimney Cleaner, 10/- per doz.



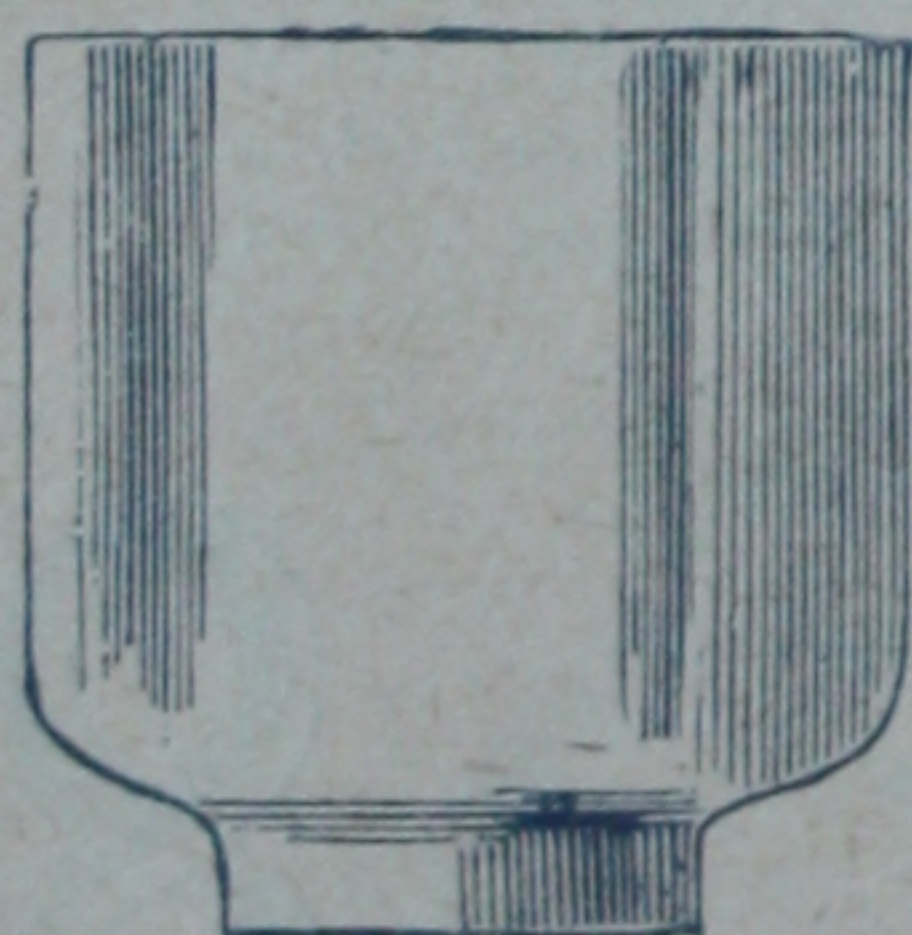
No. W5061.
Glass Draught Screen,
Pink only.
12/- per doz.



No. W5062.
Glass Draught Screen,
Special "WELSBACH" Design,
supplied in White only.
7/- per doz.



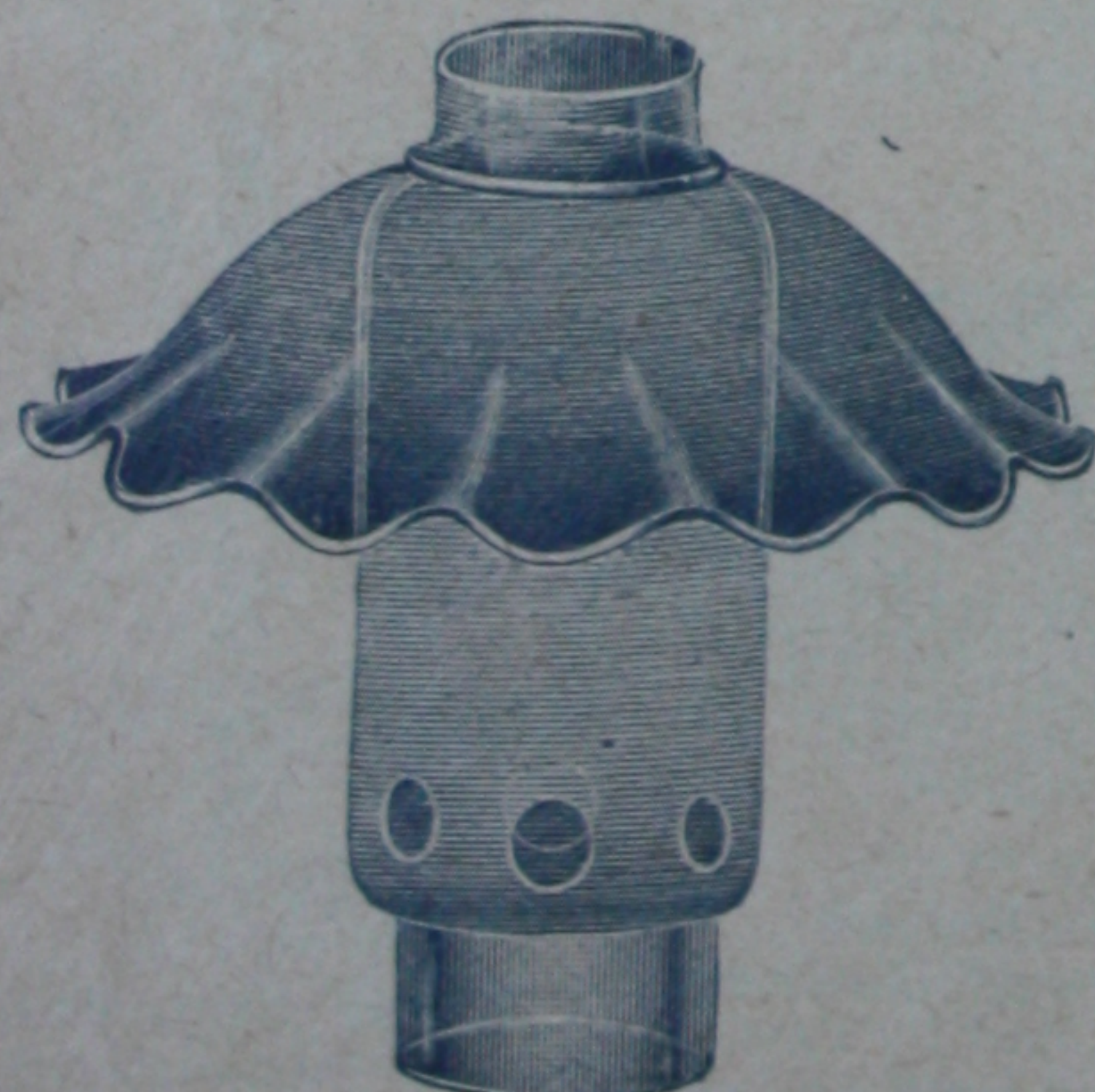
No. W5041.
Metal Chimney and Reflector,
7-in. or 9-in., for "C" Bulb
Burner (Fig. W14)
2/- each.



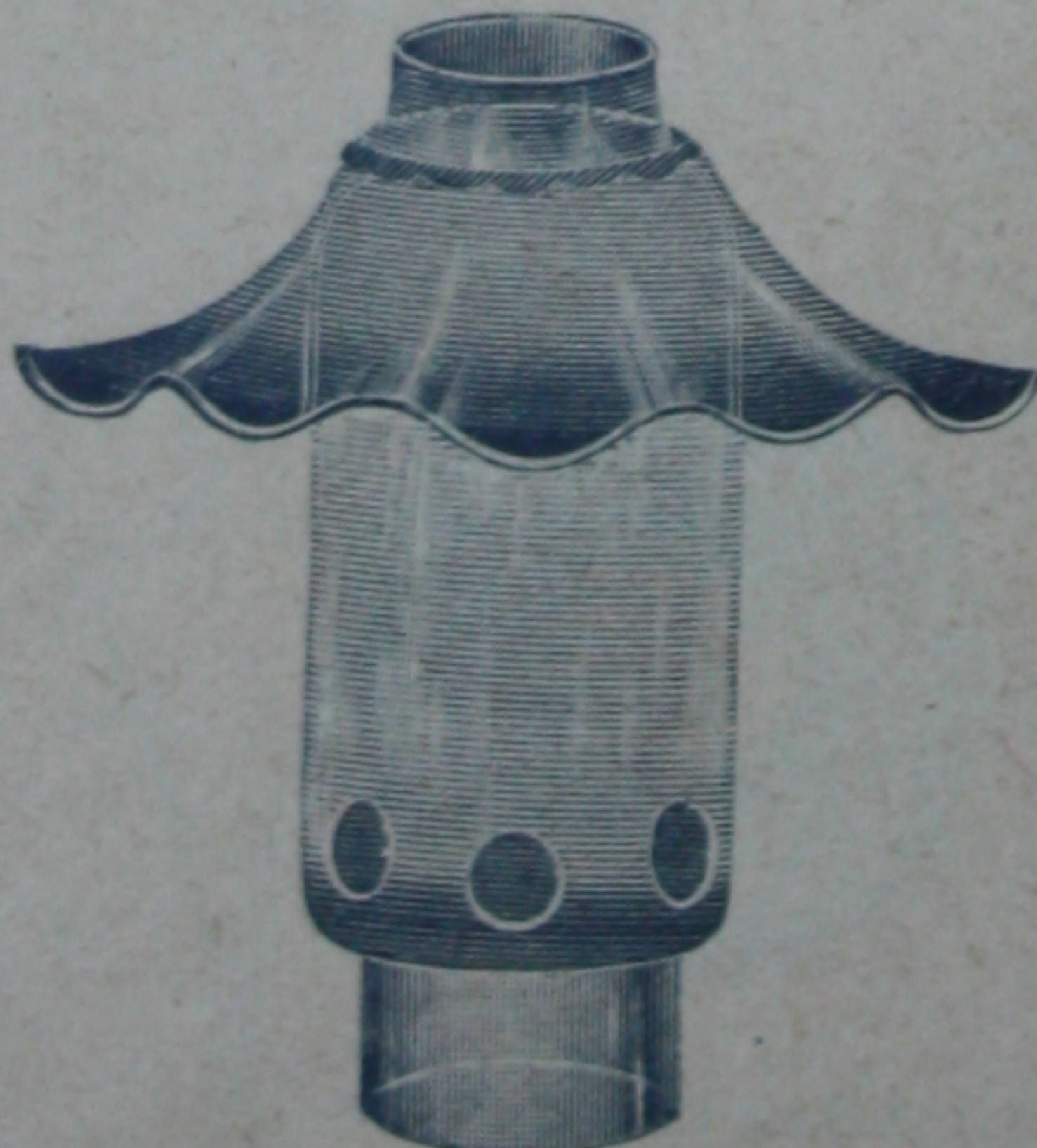
No. W5042.
Fig. W14 and Fig. W14A,
Glass Bulb,
7/- per doz.
80/- per gross.



No. W5043.
Inner Glass Cone for
Fig. W14 "C" Set.
2/6 per doz.
26/- per gross.



No. W5064.
7-in. Aluminium Reflector only,
For normal and domestic chimneys,
1/- each.



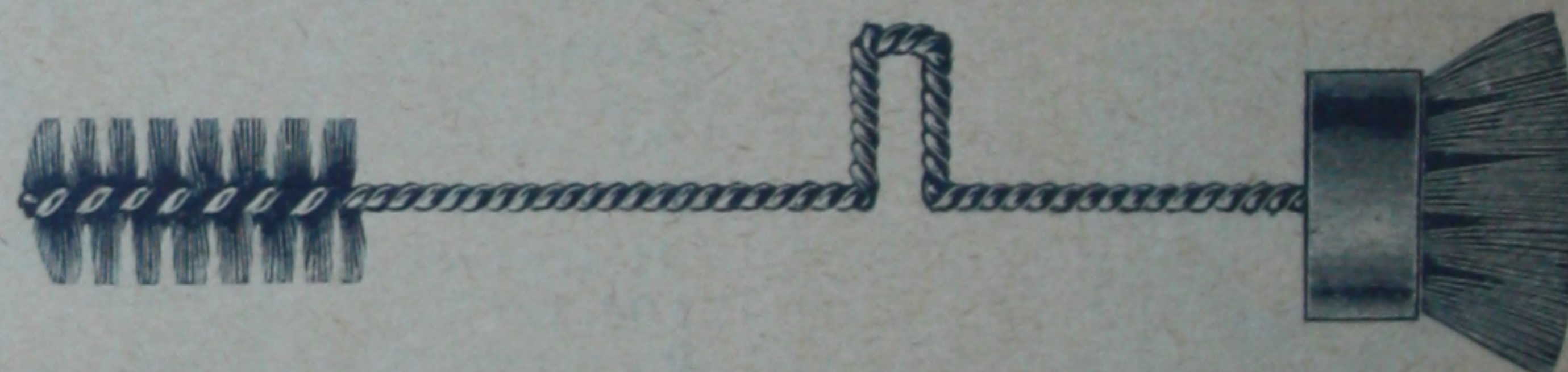
No. W5063.
6-in. Aluminium Reflector only,
For normal and domestic chimneys,
10d. each.



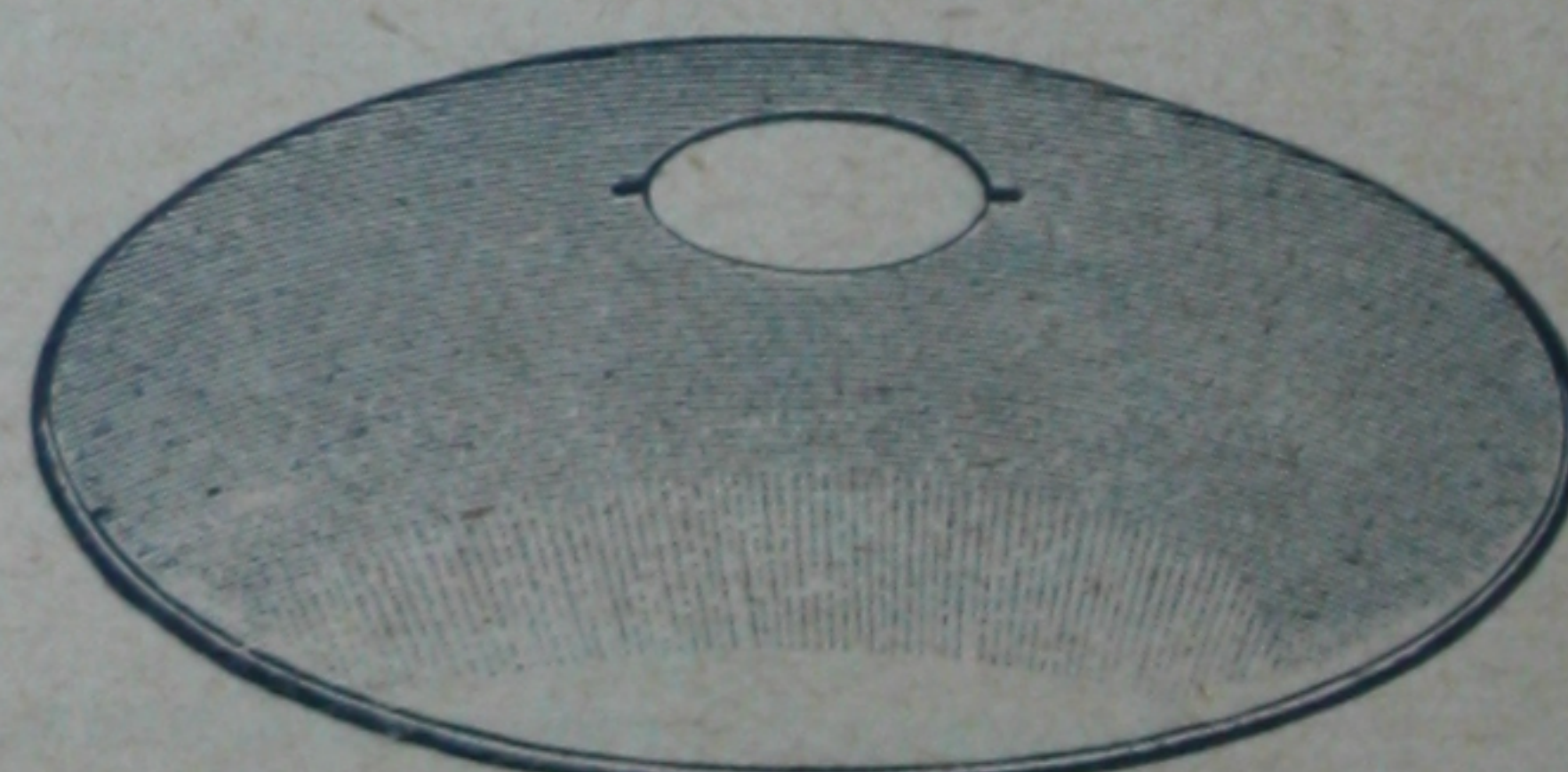
No. W2804.
Bottle Lighter,
1/4 each.



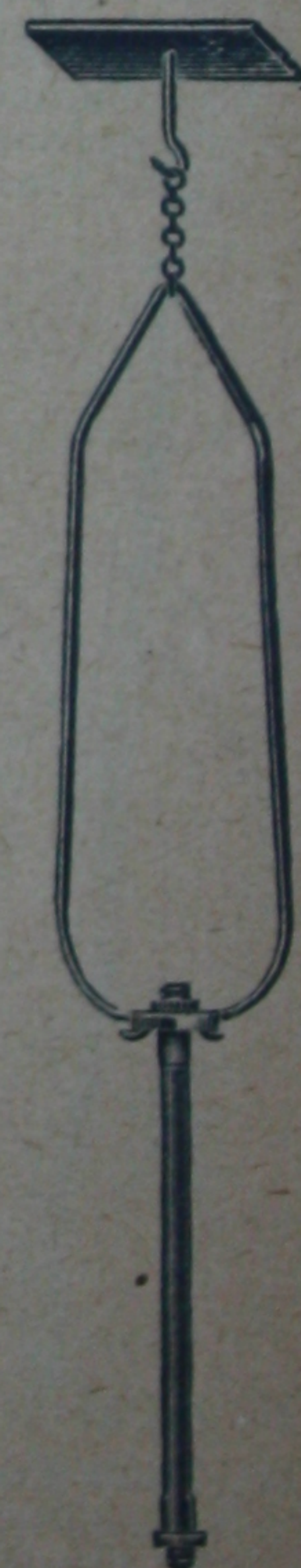
No. W2805.
Spirit Torch,
Polished Brass,
3/- each.



No. W2806.
Burner Cleaning Brush, 15/- per doz.



No. W5116.
Enamelled Iron Reflector.
Slotted, for use on
Antivibrator Frame, No. W5114.
1/2 each.
Diameter 12-in. Size of hole 2 1/8-in.

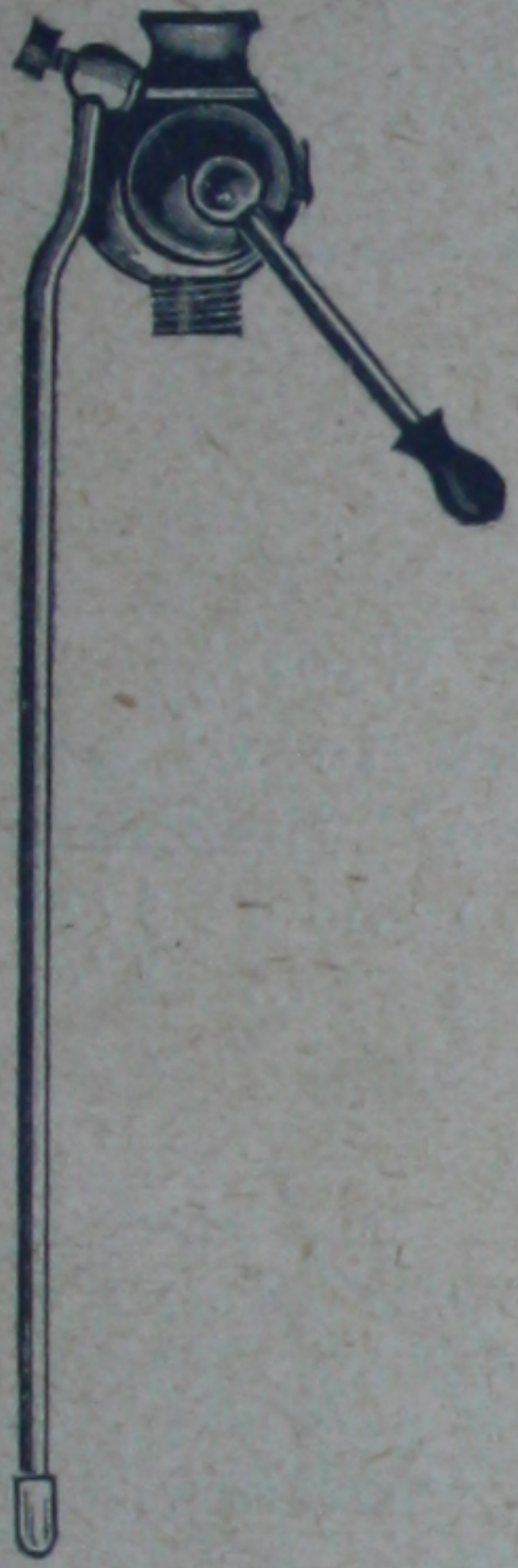


No. W5114.
Antivibrator Frame
For "C" or Kern Burners, with Ceiling
Plate, Chain, and 10-in. of Rubber Tube.
1/8 each.

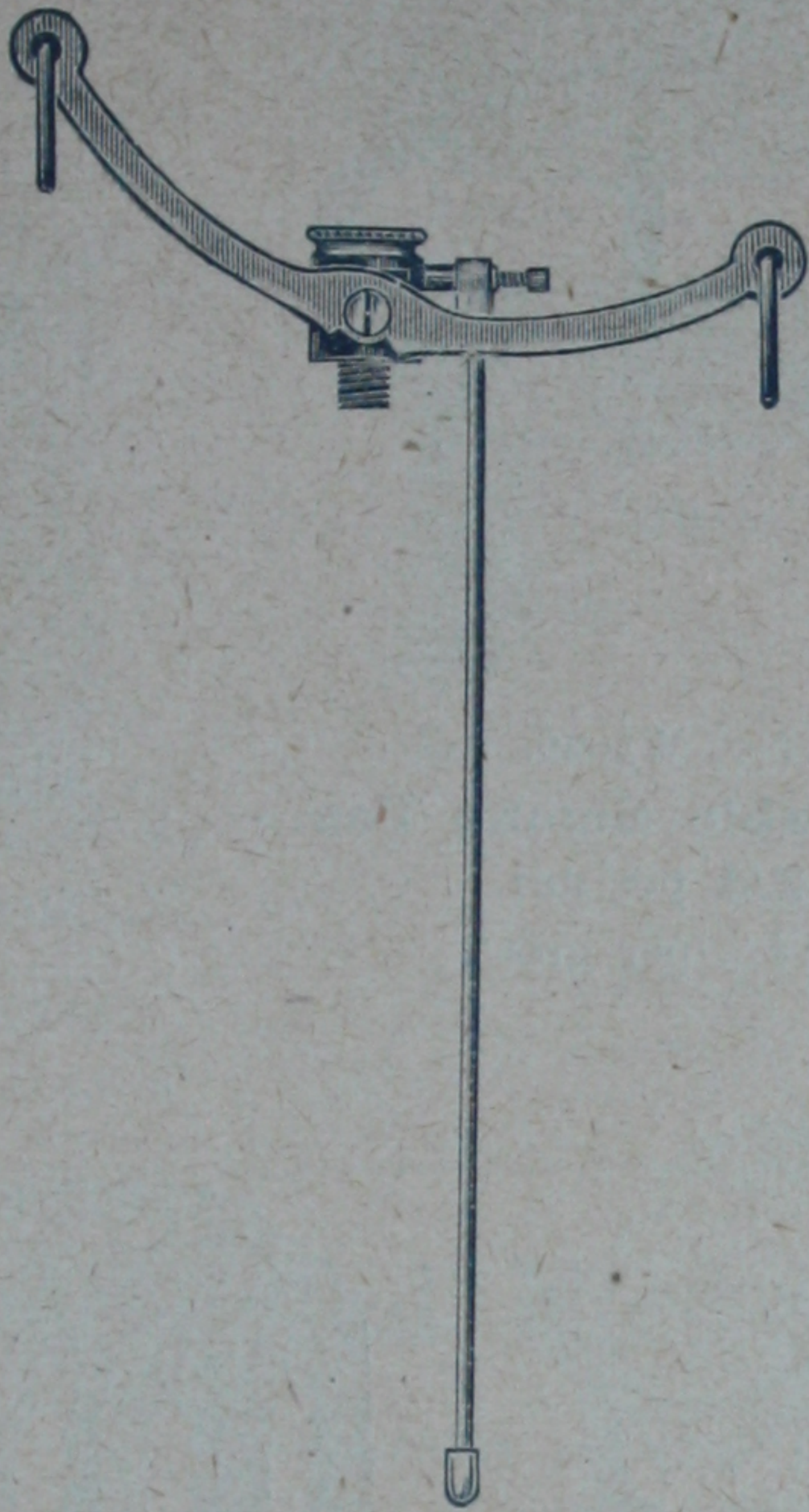
No. W5114.

WELSBACH LIGHT

Sundries for Inverted Burners.



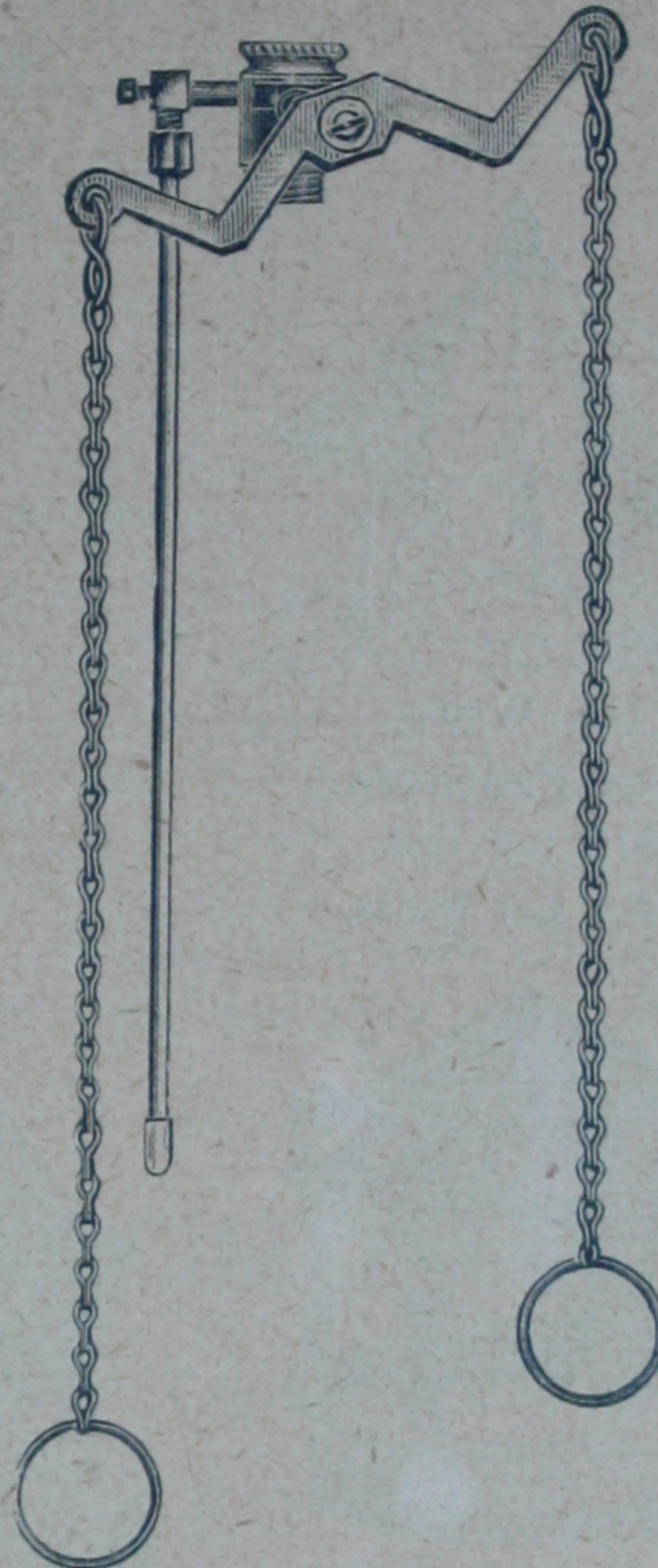
No. W1967.
Single Lever Inverted By-Pass,
Cock & Tube for Bijou Burner,
10/- per dozen.



No. W1969.
Double Lever Inverted By-Pass,
Cock and Tube, **18/-** per doz.

No. W1968.
Ditto for Large Inverted Burner,
12/- per dozen.

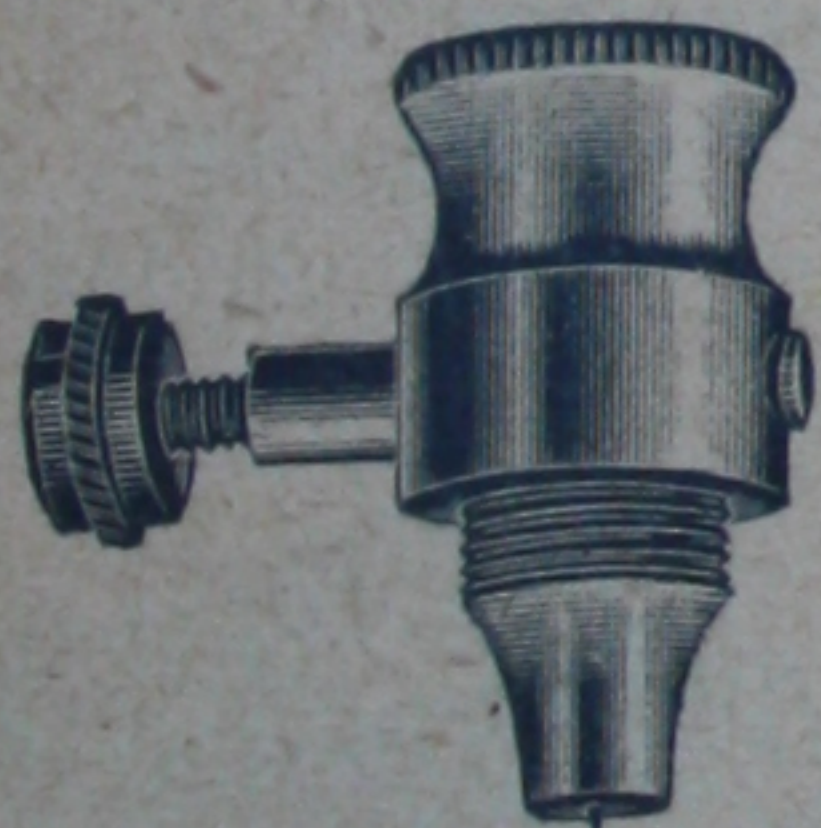
No. W5118.
Chains and Rings only for same,
1/9 per doz extra.



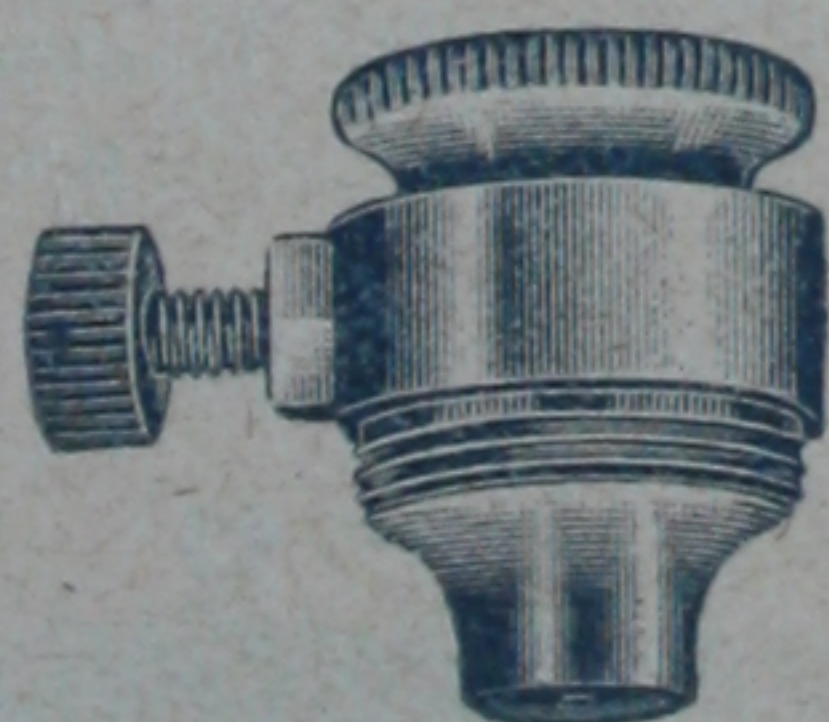
No. W495.
Double Lever Inverted By-Pass,
Cock and Tube with Chains and
Rings, **21/-** per dozen.

INVERTED BY-PASS TUBES ONLY.

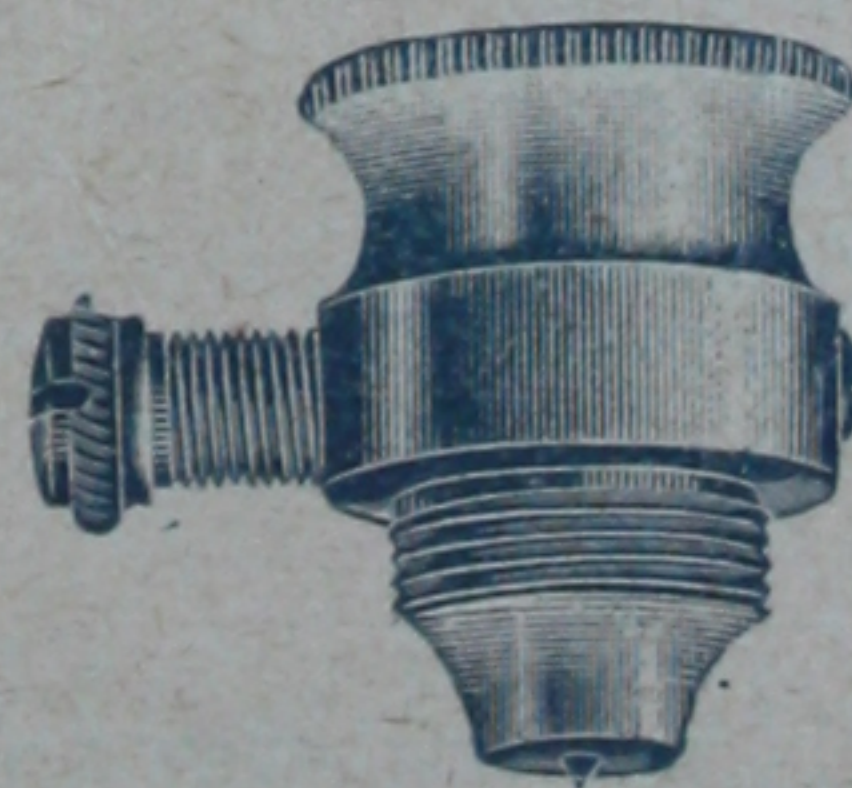
	Per doz.
For Kern Pendant Burner -	5/4
„ „ Angle „ -	5/4
„ By-Pass, Cock No. W495	8/-
„ „ „ „ W1969	6/-



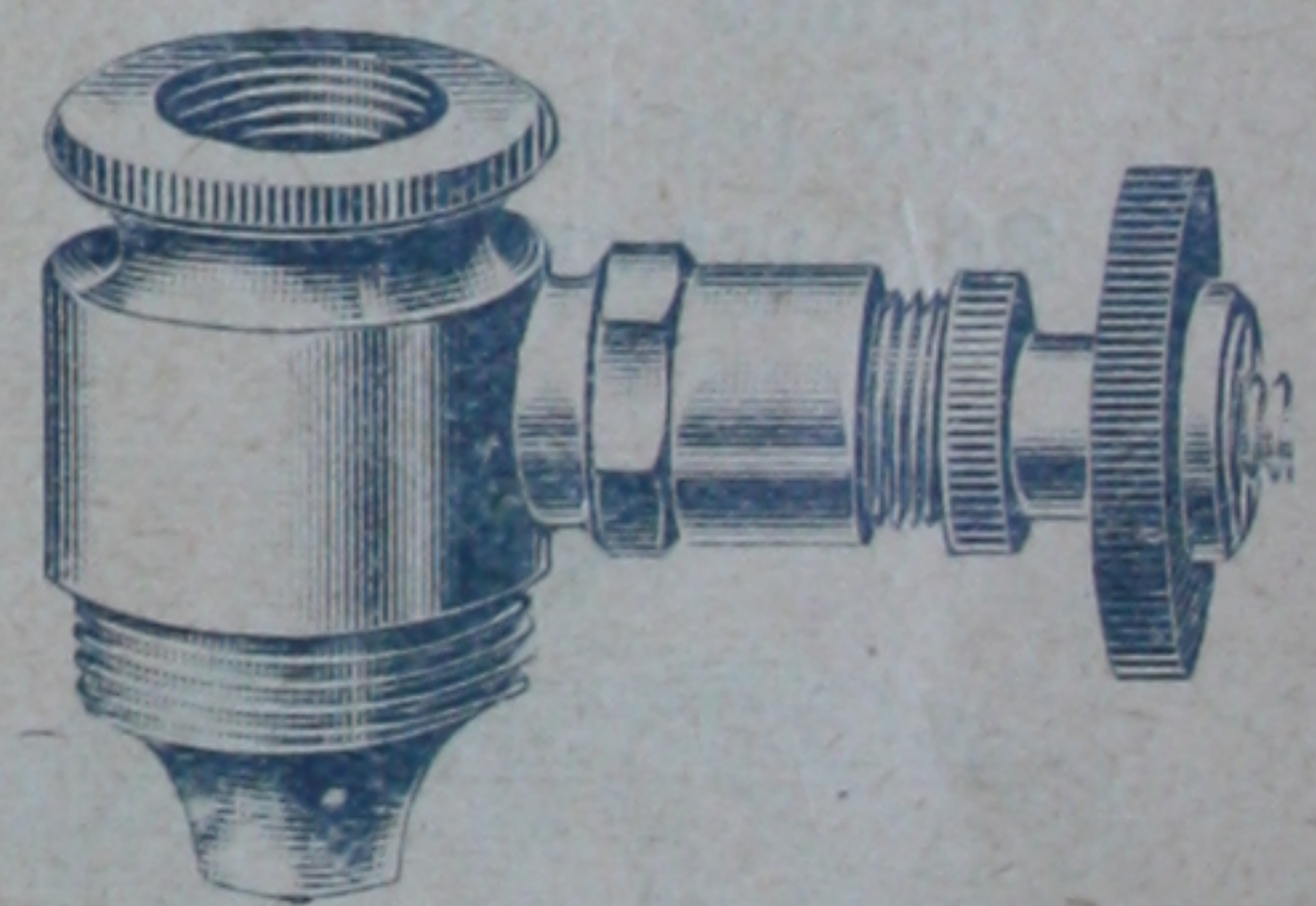
No. W1970.
Gas Regulator for Welsbach-Kern
Pendant and Angle Burners.
BIJOU SIZE.
8/- per dozen.
90/- per gross.



No. W1971.
Gas Regulator. Fits W475, W483,
W5119, W5120, W5180, W480,
W482 and W493 Burners.
8/- per dozen.
90/- per gross.



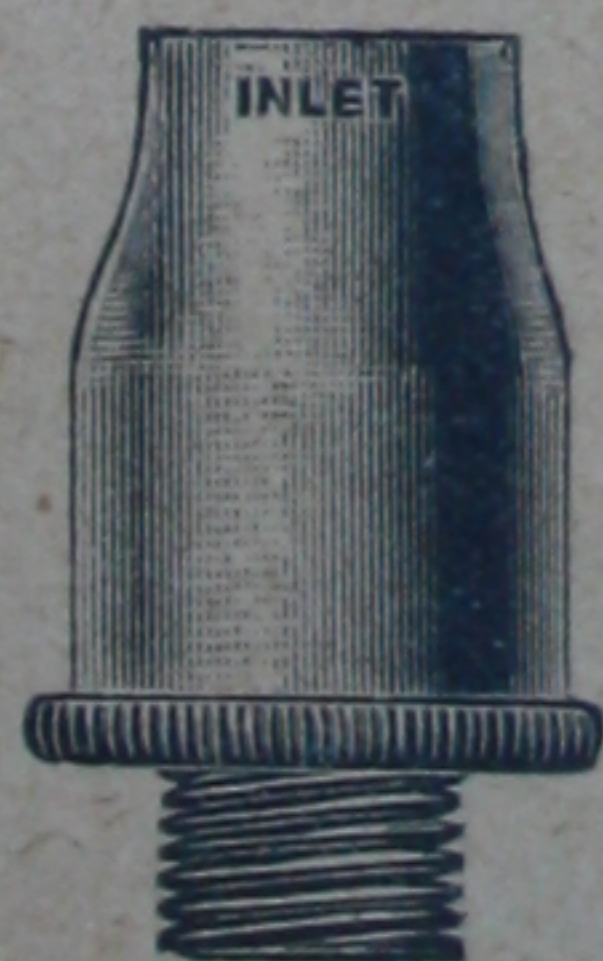
No. W1972.
Gas Regulator for Welsbach-Kern
Pendant and Angle Burners.
LARGE SIZE.
8/- per dozen.
90/- per gross.



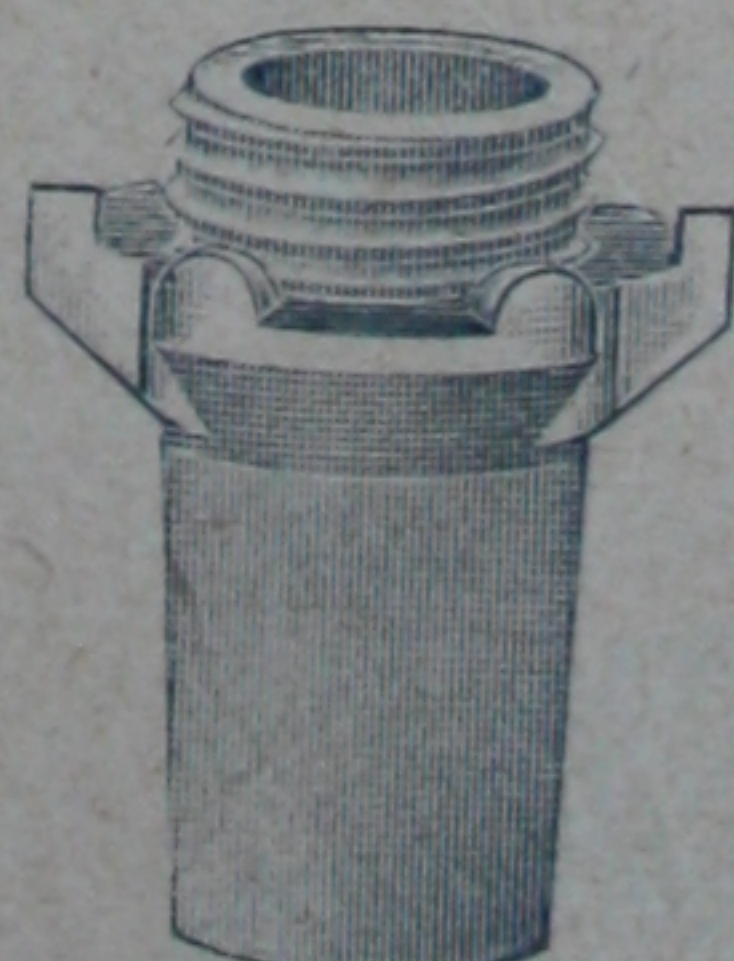
No. W494.
Gas Regulator for Inverted
Burners, No. W487, W476, W491,
W492, **7/-** per dozen.
No. W494A.
Do. to fit W489 Burner, **7/-** per doz.



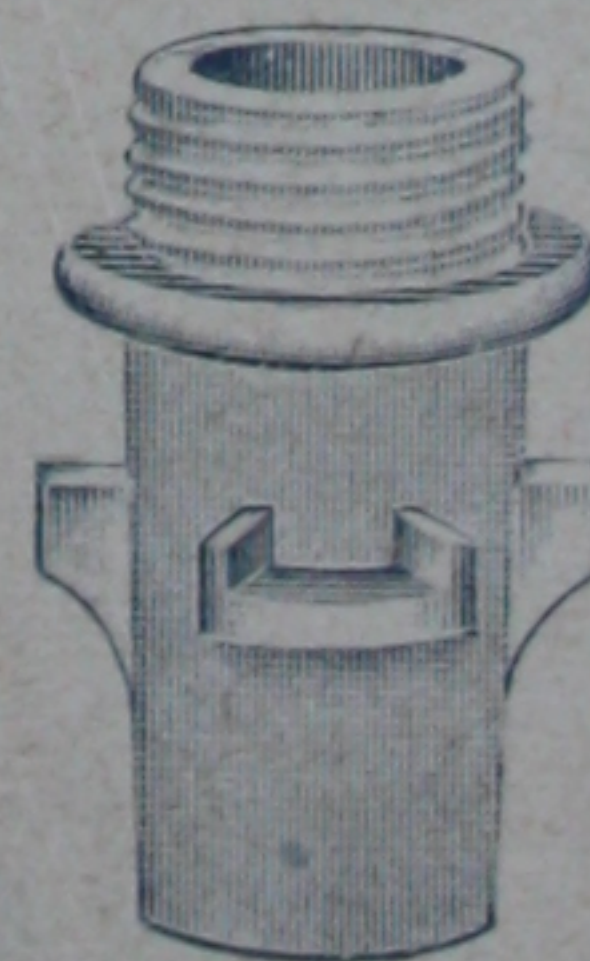
No. W499.
Inverted By-Pass Tip
Steatite.
1/6 per doz.
15/- per gross.



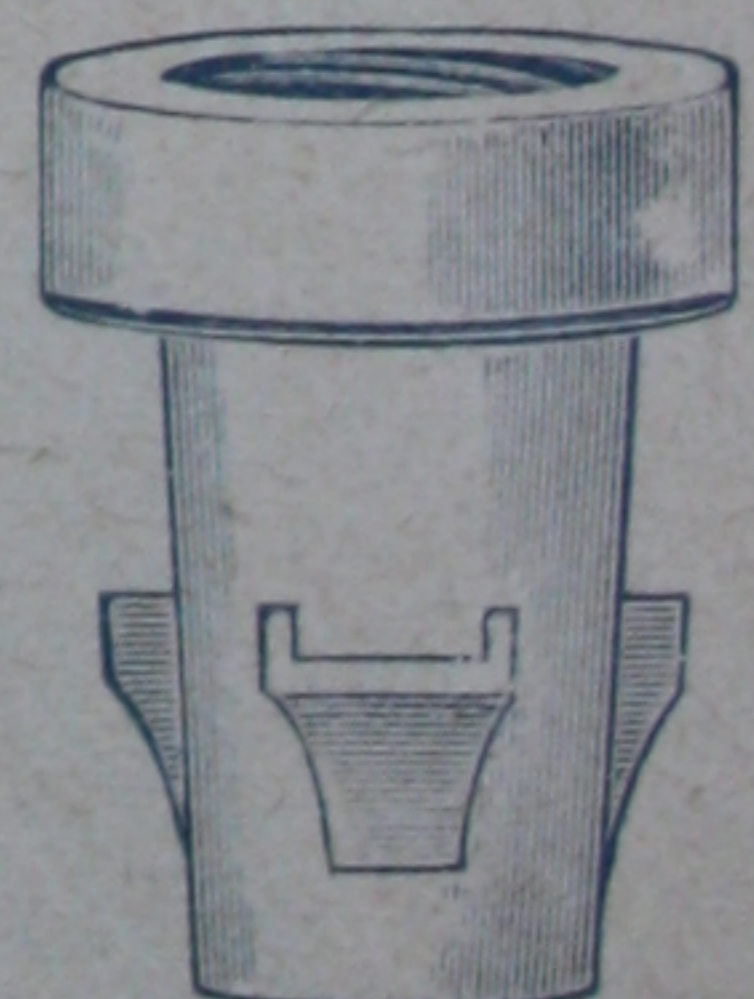
No. W496.
Descension
Governor for Large
Inverted Burner.
28/- per doz.
Ditto, for Bijou Burners,
28/- per doz.



No. W497.
Magnesia Nozzle.
State Make of Burner.
For W623 and Graetzin Lamps.
2/- per doz.
20/- per gross.



No. W498.
Magnesia Nozzle.
State Make of Burner.
2/- per doz. **20/-** per gross.
Ditto, with brass flange and
thread.
4/6 per doz. **50/-** per gross.



No. W1973.
Magnesia Nozzle.
Female Thread.
For W5119, W5120 Lamp.
1/2 per dozen.

WELSBACH LIGHT

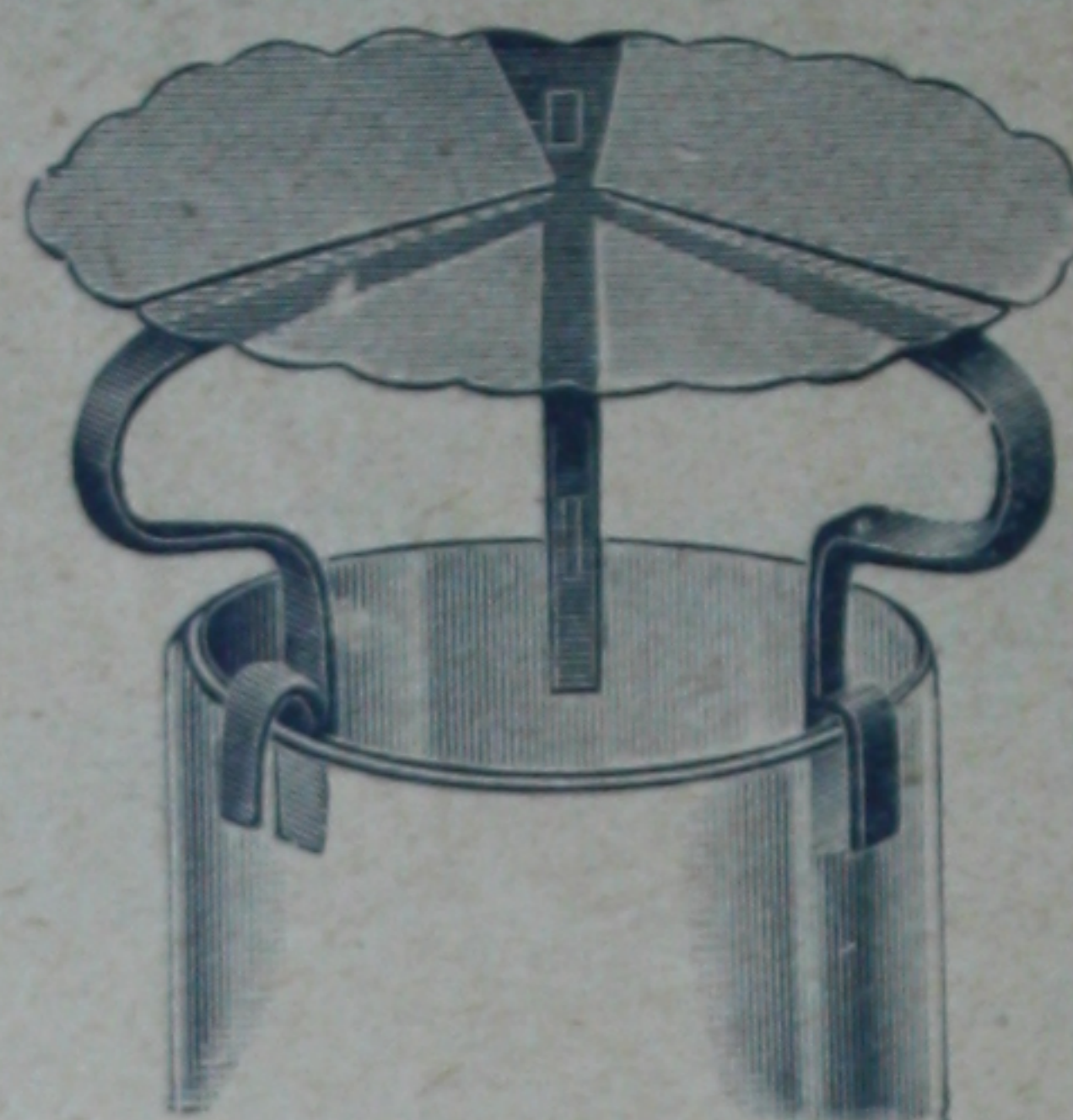
SMOKE TOPS, etc.



No. W5024.
Mica Top,
1/3 per doz. } Conical
14/- per gross. } or Flat.



No. W5025.
Mica Protector,
3/8 per doz.
40/- per gross.



No. W5026.
Adjustable Smoke Top,
2/3 per doz.
24/- per gross.



No. W5027.
Mica Protectors to fit on Globes of "Kern" Burners.
For Burners Nos. 1 and 2 1/3 per doz.
" " " 3 " 1/6 "
" " " 4 " 2/6 "



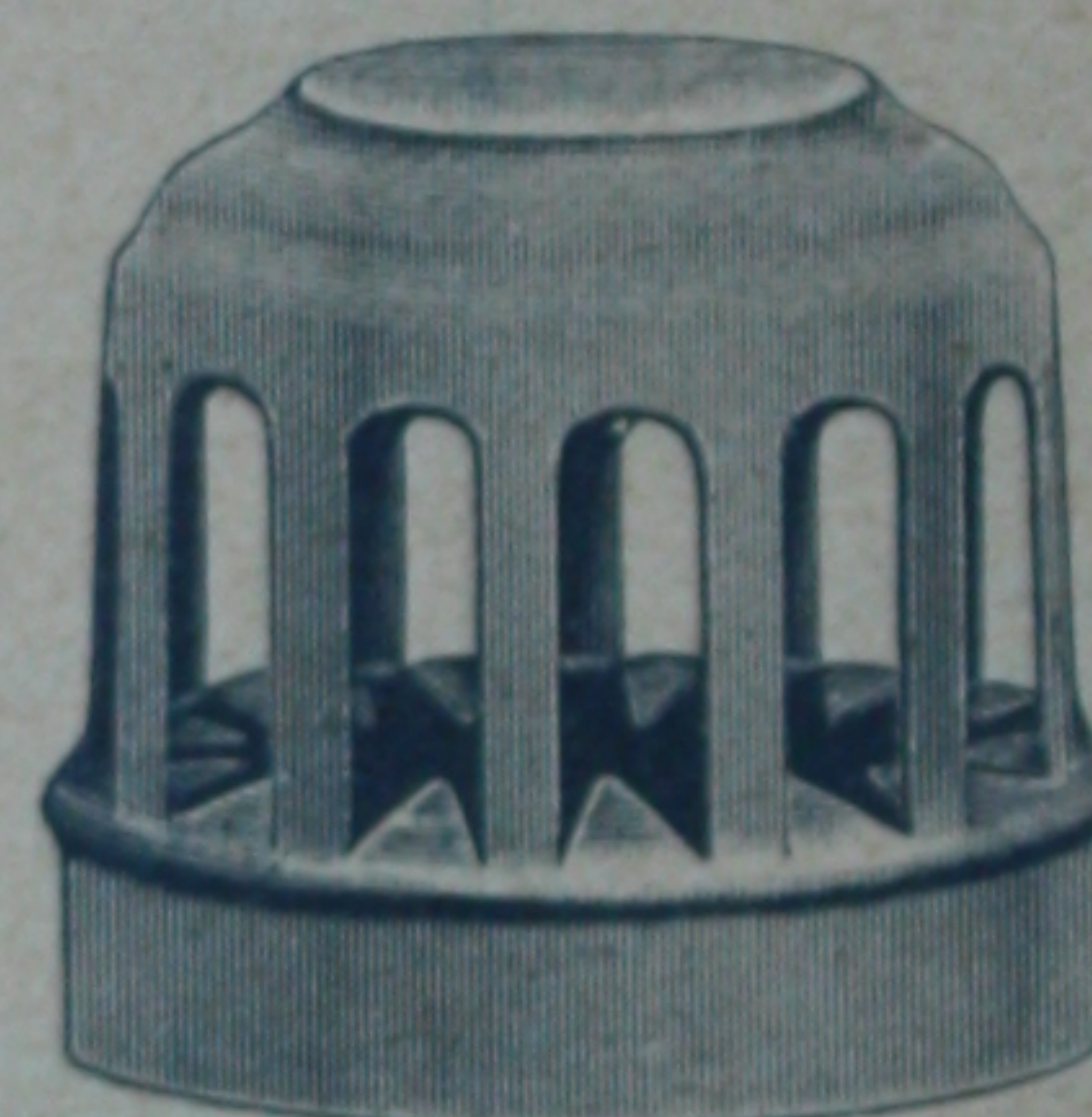
No. W5028.
Aluminium and Mica Smoke Top,
2/6 per doz.
28/- per gross.



No. W5029.
Porcelain Smoke Top,
For Combination Globes, Normal and Domestic.
3/3 per doz.
36/- per gross.
For Straight Chimneys,
3/3 per doz.
36/- per gross.
(State for which required).



No. W5149.
Porcelain Smoke Top
3/6 per doz.
39/- per gross.



No. W5150.
Ceiling Protectors.
Enamelled Metal,
8/- per doz.



No. W5032.
Ceiling Protectors.
Porcelain,
10/- per doz.



Consumers,
In Copper or Enamelled Iron.

Size.	No. W5033. Enamelled White.	No. W5034. Bright Copper.
4-in.	13/- doz.	14/- doz.
6-in.	14/6 "	19/- "
7-in.	17/- "	24/- "
8-in.	20/- "	26/- "
9-in.	21/- "	32/- "



No. W5035.
Enamelled Iron Heat Dispersers,
with central hole for Gas pipe,
8 10 12-inch.
9d. 1/2 1/9 each.



No. W5036.
Enamelled Iron Consumers,
4 6 8 10-inch.
5/ 6/- 10/6 15/- per doz.



No. W5037.
Saddleback Consumers,
4-in. diameter,
Steel. Pol. Brass.
2/- per doz. 3/9 per doz.



No. W5038.
Glass Smoke Bell.
Height 4 5 6 7-in.
Plain, 7 1/2 d. 7 1/2 d. 9d. — each.
Crimped & Twisted | 9d. 10d. 1/2 1/3 "



No. W5039.
Ornamental Glass Smoke Consumers,
6 8 10-in. width.
1/- 1/6 2/- each.
Rose, Citron, Aurora, Opalescent.



No. W2320W.
3-in. Brass Smoke Consumer.
Dipped and Lacquered,
14/- per gross.



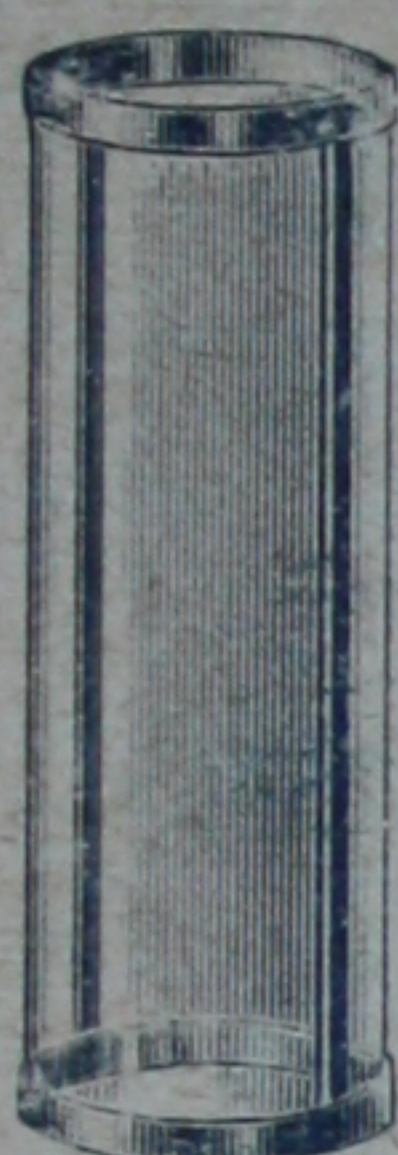
No. W5040.
Clear Glass Smoke Consumers.
6 7 8 9 10 12-in.
9d. 10d. 1/- 1/1 1/3 1/6 each.



Mica Chimneys for "C" and "Gem" Burners.



Mica.



"Gem" Mica.

"GEM" MICA CHIMNEYS,
No. W5017. ... 9/6 per doz.

No. W5015.

Brass Mounts.

One-piece.	Per doz.	Per gross
6-inch	6/-	70/-
8-inch	10/-	115/-

No. W5016.

Brass Mounts.

Two-piece	Per doz.	Per gross
6-inch	5/6	60/-
8-inch	7/-	80/-

No. W5018.

White Metal Mounts.

One-piece.	Per doz.	Per gross.
6-inch	5/-	58/-
8-inch	9/-	105/-

No. W5019.

White Metal Mounts.

Two-piece	Per doz.	Per gross.
6-inch	4/2	48/-
8-inch	6/-	66/-

No. W5019A. Two-piece, with three side stays and white metal mounts.
6-inch, 3/3 per doz.; 36/- per gross. 8-inch, 4/4 per doz.; 48/- per gross.

Selected Fire-proof Clear Glass Chimneys.

Specially annealed. Finest Crystal Glass. Moulded Ends.

No. W5020. 6-inch	1/2 per doz.
Loose by the gross ...	13/= per gross.
Per gross by case containing 4 gross }	12/= per gross.

No. W5021. 8-inch	1/6 per doz.
Loose by the gross ...	16/= per gross.
Per gross by case containing 4 gross }	14/= per gross.

"Gem" Chimneys, 3/= per doz., or by 4-gross case, 29/= per gross.

"Gem" Ruby Chimneys, 3/= per doz.

Finest Austrian Hard Glass Chimneys.

Specially Selected and Packed.

No. W5020A. 6-inch	2/= per doz.
Per gross by case containing 4 gross }	20/- per gross.

No. W5021A. 8-inch	2/2 per doz.
Per gross by case containing 4 gross }	22/- per gross.



No. W5113.

For "C" Burners.
Fireproof Glass.

1 15/16-in. Fitting.
5 1/8 in. long. 2 1/2 in. across top.

2/6 per doz.
26/- per gross by 4-gross case.

WELSBACH LIGHT



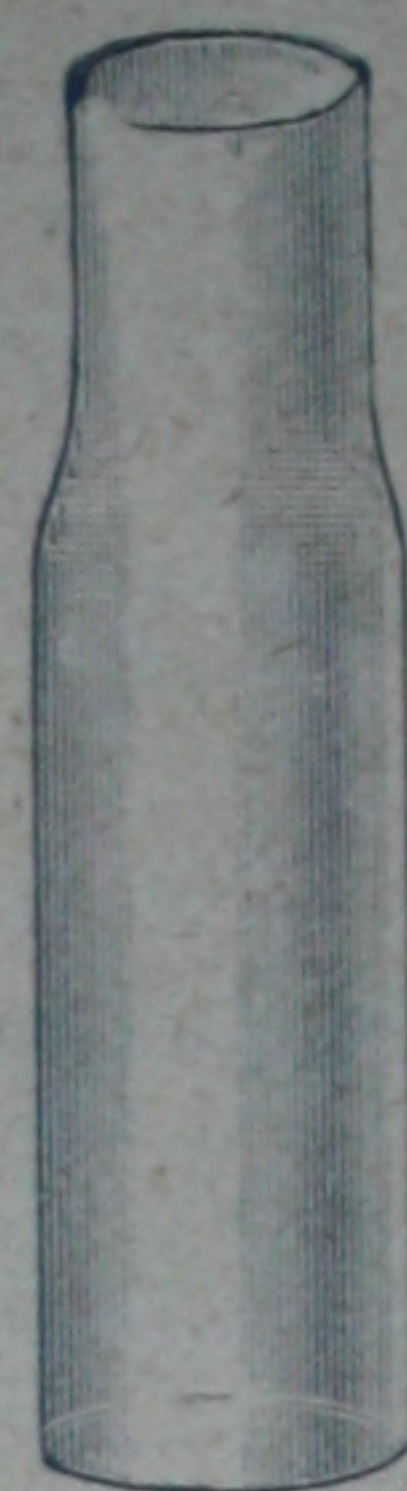
"JENA" Clear Glass Incandescent Chimneys. 1 1/8-in. Fitting.

FOR "C" BURNERS.

No. W5123.

5-in.	6-in.	7-in.	8-in.	9-in.	10-in.
3/4	3/6	3/10	4/=	4/4	4/6 per doz.
32/2	34/6	37/6	40/=	42/10	44/=

Per gross, in original cases of 3 gross.



FOR "GEM" BURNERS.

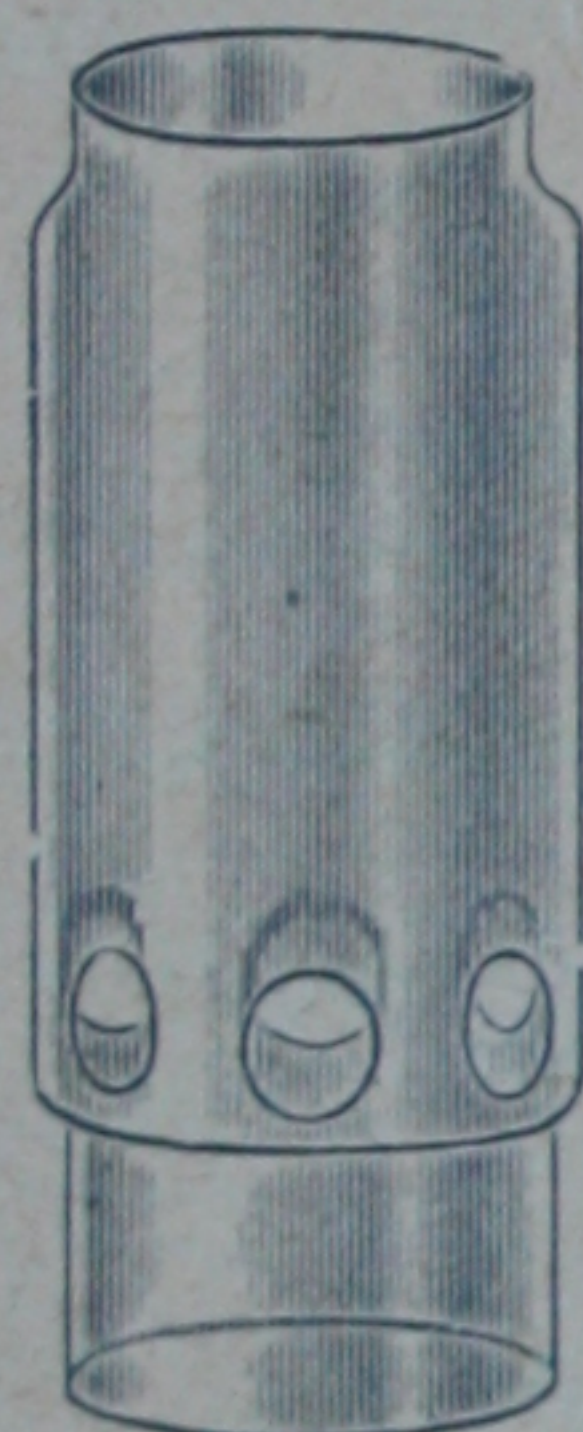
Clear Straight ...	3/10 per doz.
	37/2 per gross, by case of 500.
Clear Normal ...	4/8 per doz.
	46/6 per gross, by case of 500.

"Gem" Normal Chimneys take Shade No. 620W.



Air Hole "JENA" Chimneys for "C" Burners.

THE "DOMESTIC" CHIMNEY.



5-in. long, 2 1/4-in. diam.

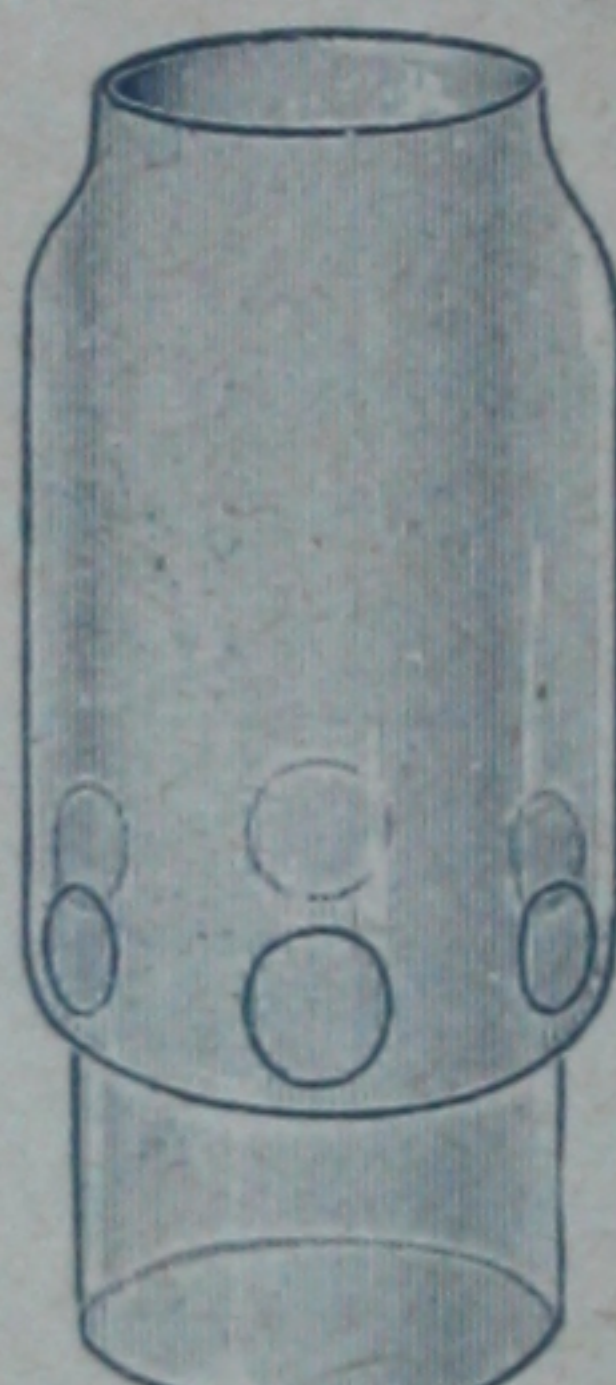


6 1/4-in. long, 2 1/4-in. diam.

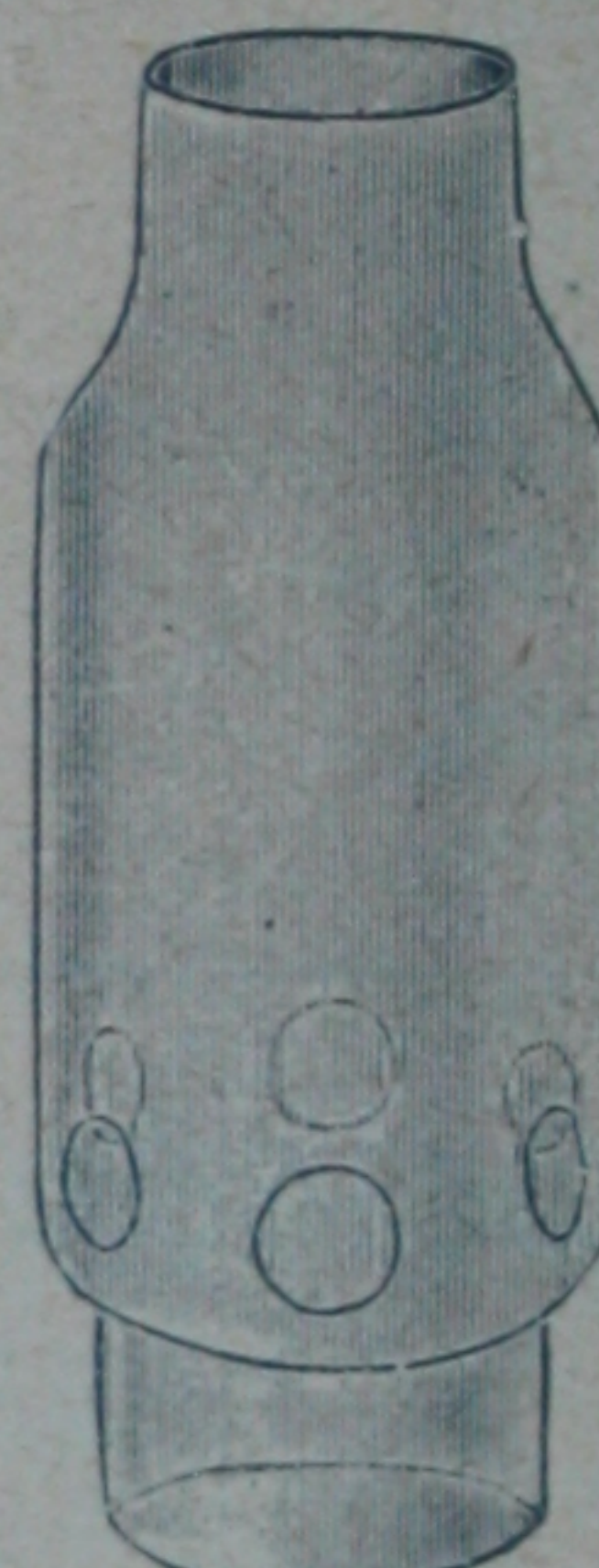
No.		Loose.	By Case of 3 gross.
W5125 clear 5-in.		3/10 per doz.	39/= per gross.
W5125a opaline 5 "		5/6 "	54/6 "
W5125b clear 6 1/4 "		4/2 "	42/= "
W5125c opaline 6 1/4 "		5/10 "	56/= "

THE "NORMAL" CHIMNEY.

Too wide to use with Globe. For Opal Shades for these Chimneys, see next page.



5-in. long, 2 1/2-in. diam.



6 1/4-in. long, 2 1/2-in. diam.

No.		Loose.	By Case of 3 gross.
W5124 clear 5-in.		4/= per doz.	40/= per gross.
W5124a opaline 5 "		5/= "	51/= "
W5124b clear 6 1/4 "		4/2 "	41/= "
W5124c opaline 6 1/4 "		5/10 "	58/6 "



For ordinary "C" Burners.

No. W198.
7-in. long, diam. 2 3/8-in.
Clear, 4/= per doz.
By case of 36 doz.,
40/= per gross.

"JENA" COMBINATION GLOBES with Air Holes.

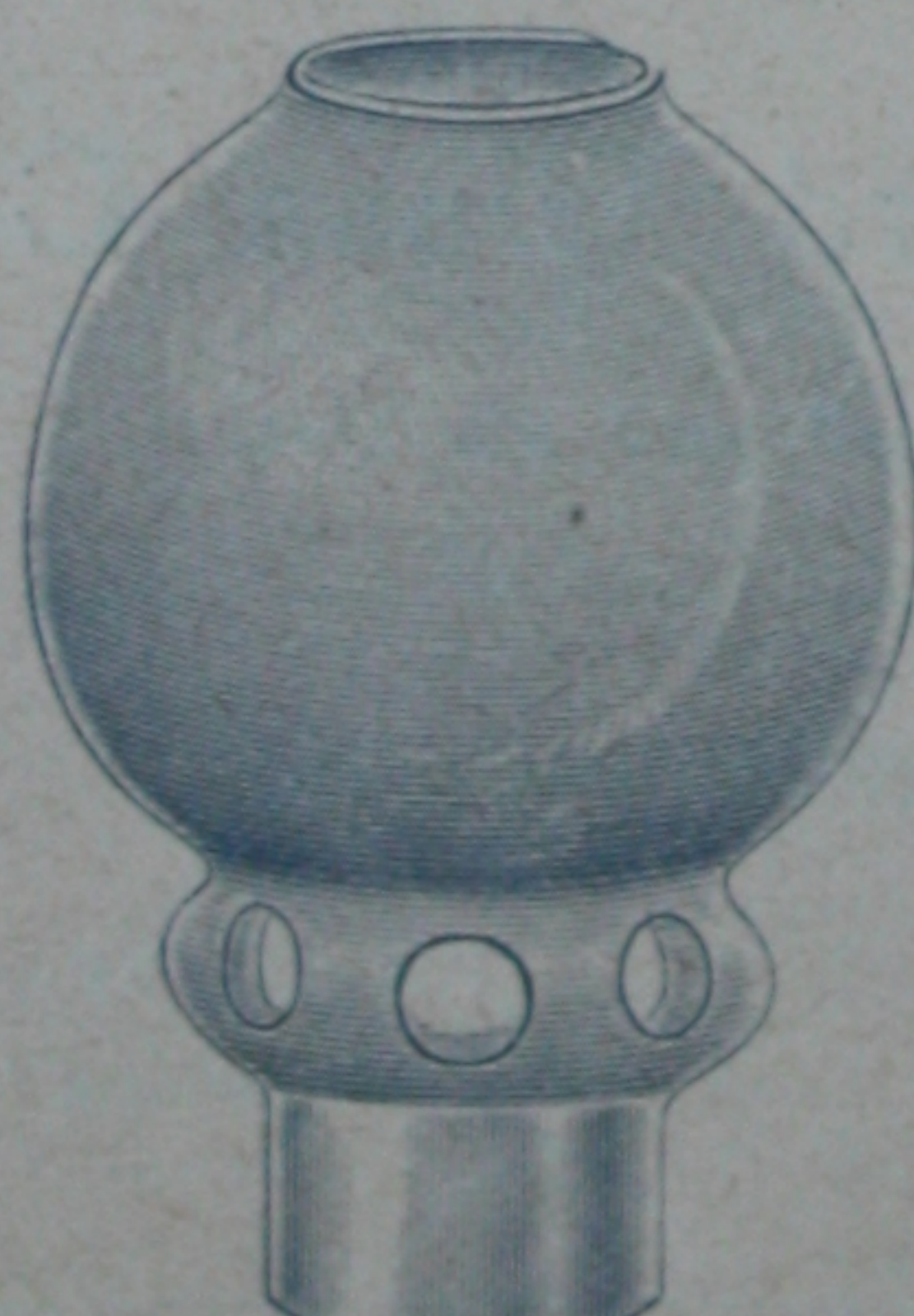
For "C" Burners. 1 1/8 Fitting.



No. W5131A.

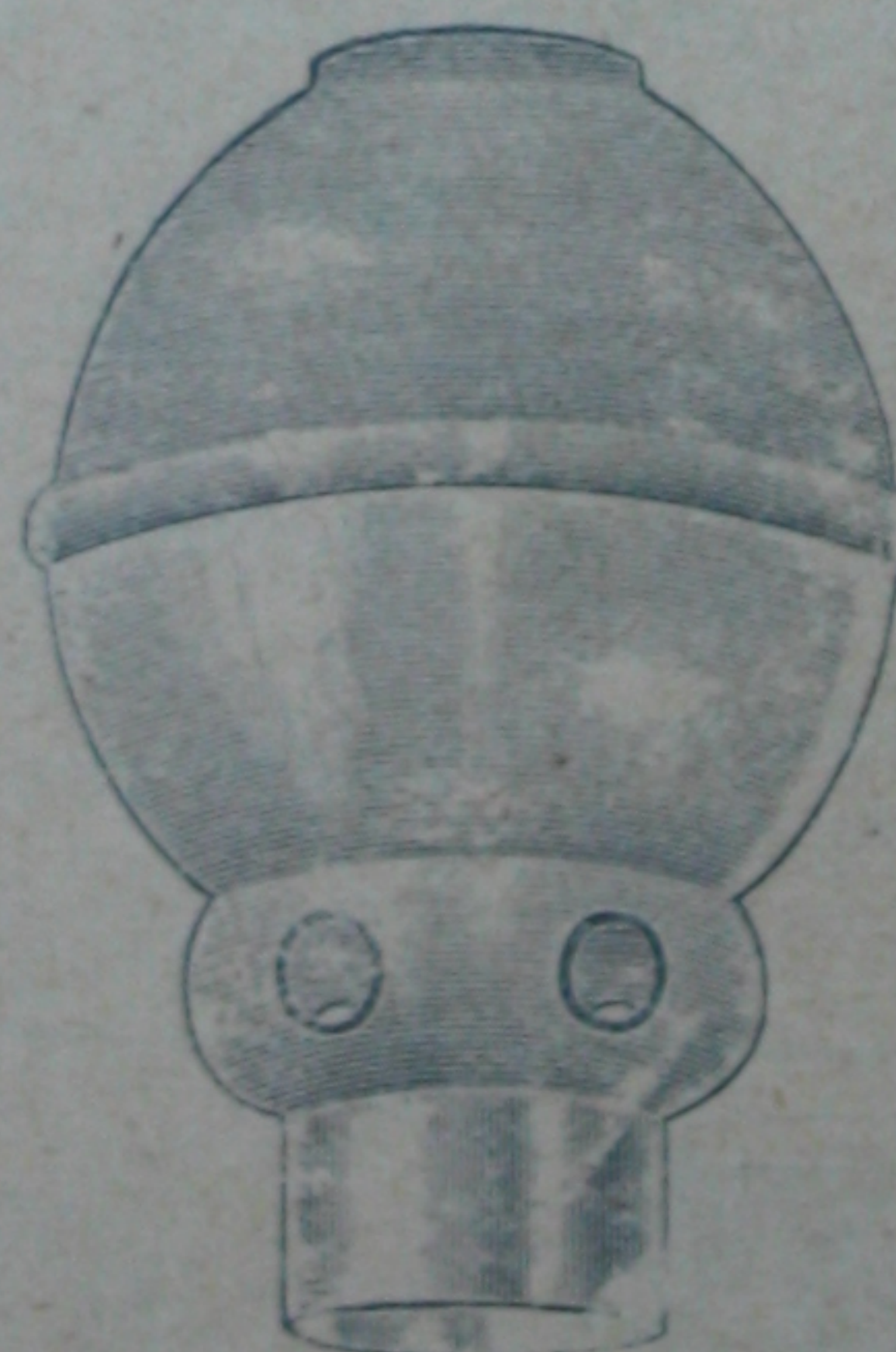
The "Pine Combination."
Height 6-in., diam. 3 1/4-in.
Opaline, 7/6 doz.
By case of 16 doz., 6/2 doz.

No. W5131. Clear, 7/2 doz.
By case of 16 doz., 5/10 doz.



No. W5132.

The "Combination."
Height 6 1/2-in., diam. 4 3/8-in.
Opaline, 7/10 doz.
By case of 16 doz., 6/6 doz.

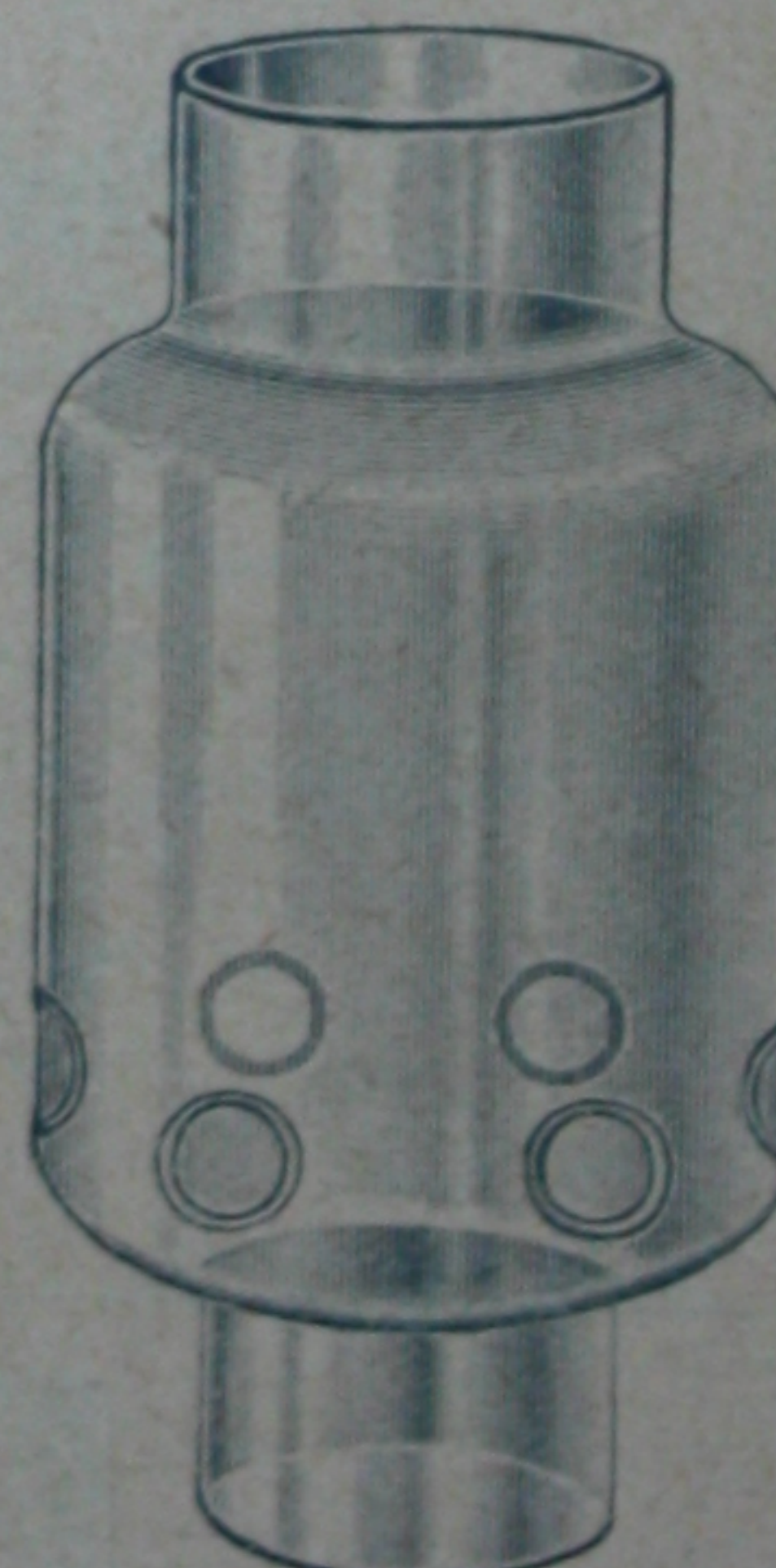


No. W5132B.

Opaline Top and Flint
Bottom Combination
(two piece).

Height 6 1/2-in., diam. 4 3/8-in.
11/6 doz. complete.

By case of 16 doz., 10/= doz.
Extra Opaline Tops, 5/10 doz.



No. W675.

Bray Light
Chimney.

7 1/8-in. clear.
9/= per doz.

By case of 16 doz.,
90/= per gross.



No. W5128.

10-in. long, diam. 2 1/2-in.
Clear, 7/= per doz.
By case of 20 doz., 69/= per gross.

No. W5128A.

Opaline, 9/= per doz.
By case of 20 doz., 89/6 per gross.



No. W5047.

Air Diverting Cones for "C"
Chimneys and Globes, with
Lateral Air Holes. (On this page.)
1/- per doz. 10/6 per gross.



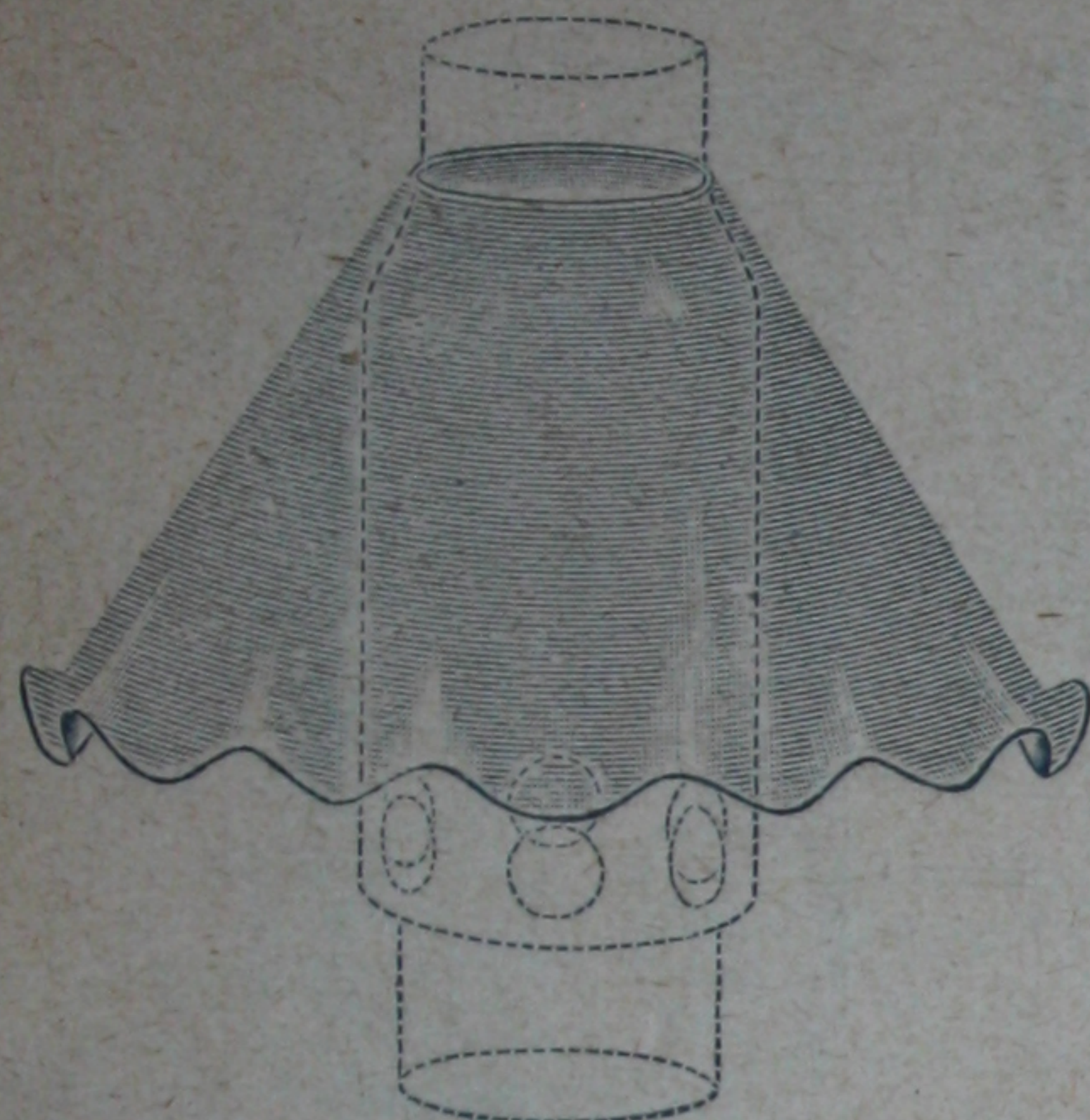
No. W5046.

Wind Protectors for use with
Chimneys and Globes, with
Lateral Air Holes. (On this page.)
1/= per doz. 10/6 per gross.

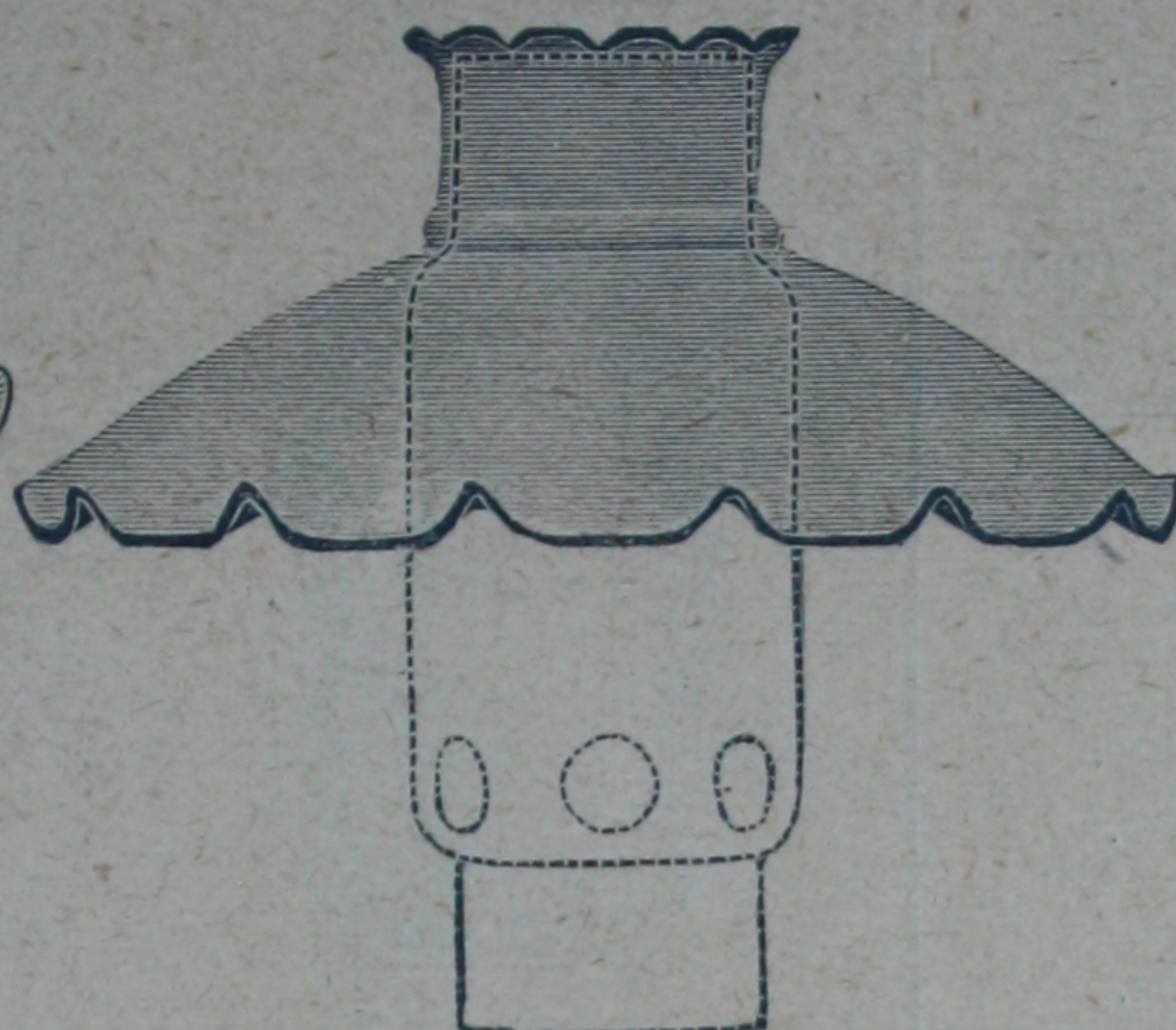
WELSBACH LIGHT

OPALINE "JENA" REFLECTING SHADES.

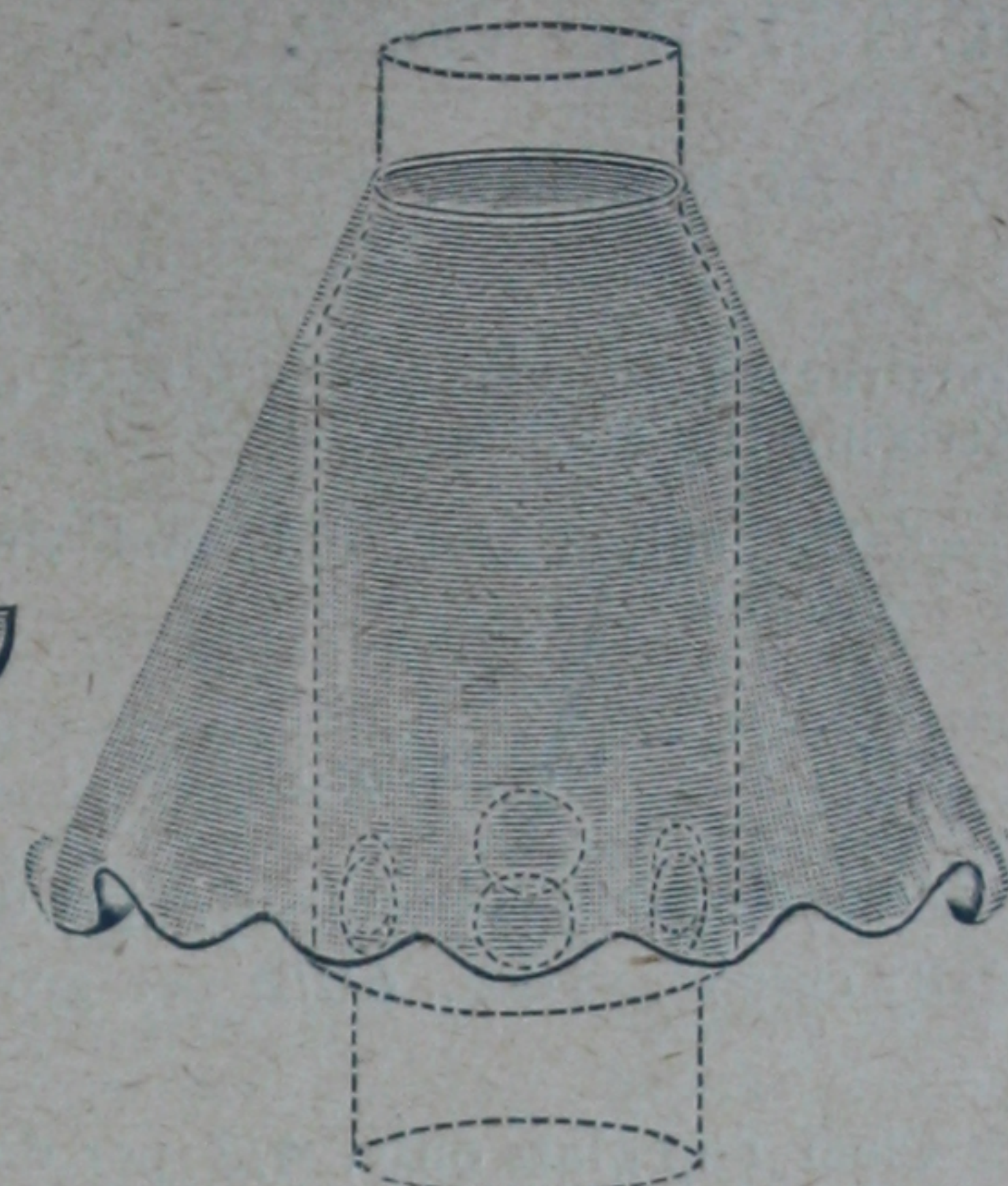
For "NORMAL" Chimneys.



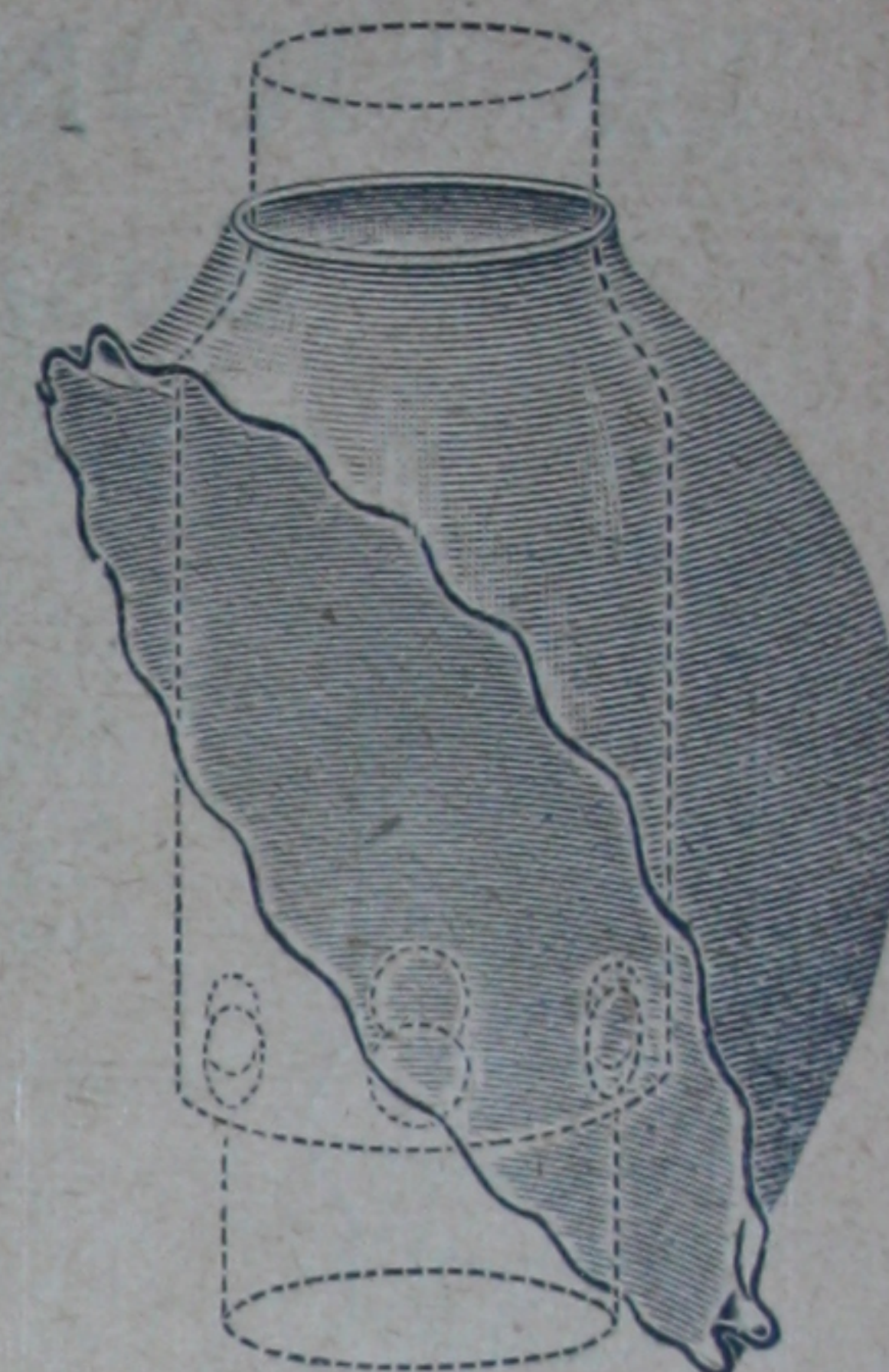
No. W408w.
Height 3-in. Diameter 6-in.
Opaline Shade only, 9/4 doz.
By case of 16 doz., 7/10 doz.



No. W826w.
Height 3-in. Diameter 7 1/2-in.
Opaline Shade only, 10/2 doz.
By case of 16 doz., 8/6 doz.



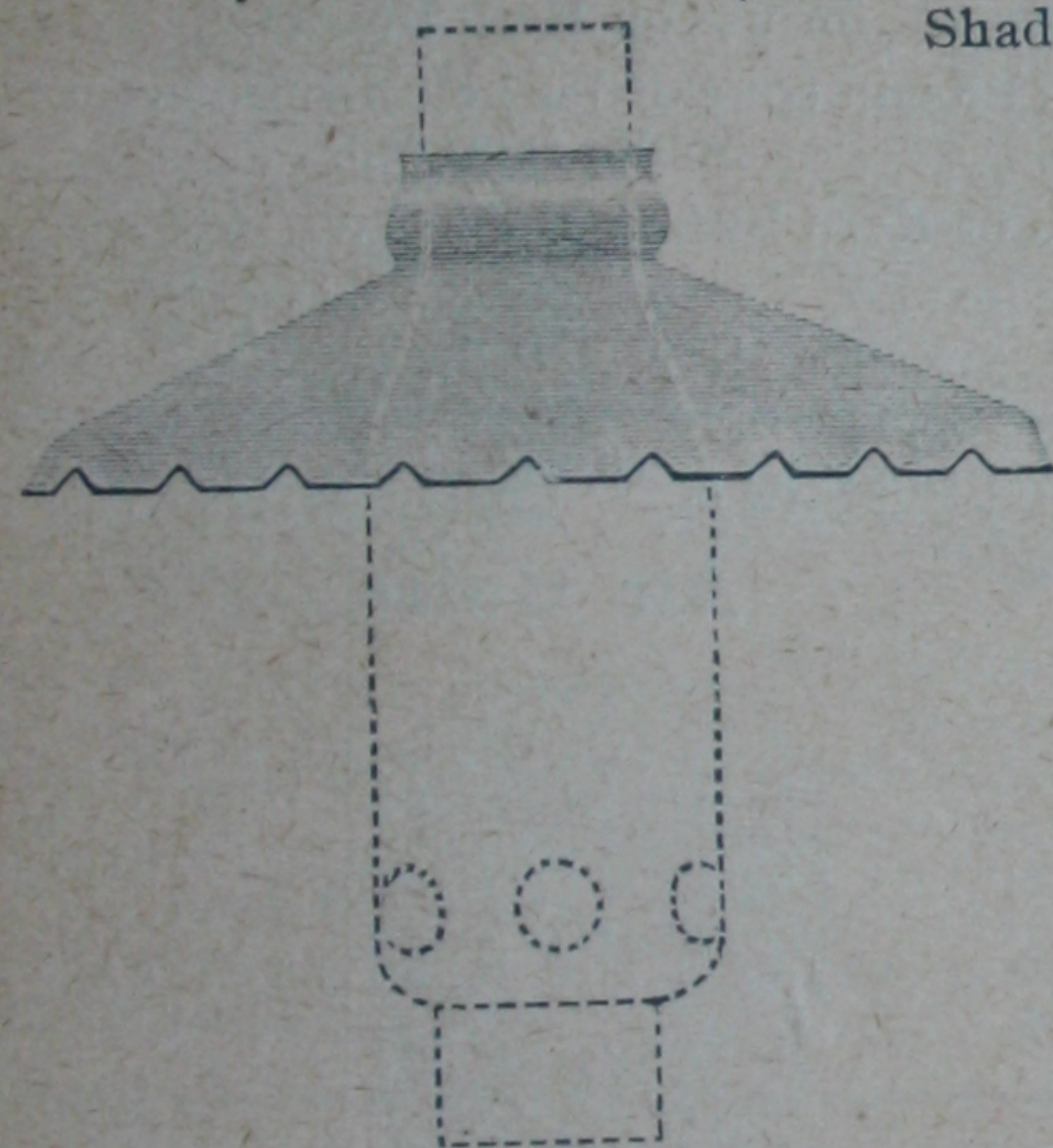
No. W326w.
Height 3 3/4-in. Diameter 5 1/2-in.
Opaline Shade only, 8/6 doz.
By case of 16 doz., 7/= doz.



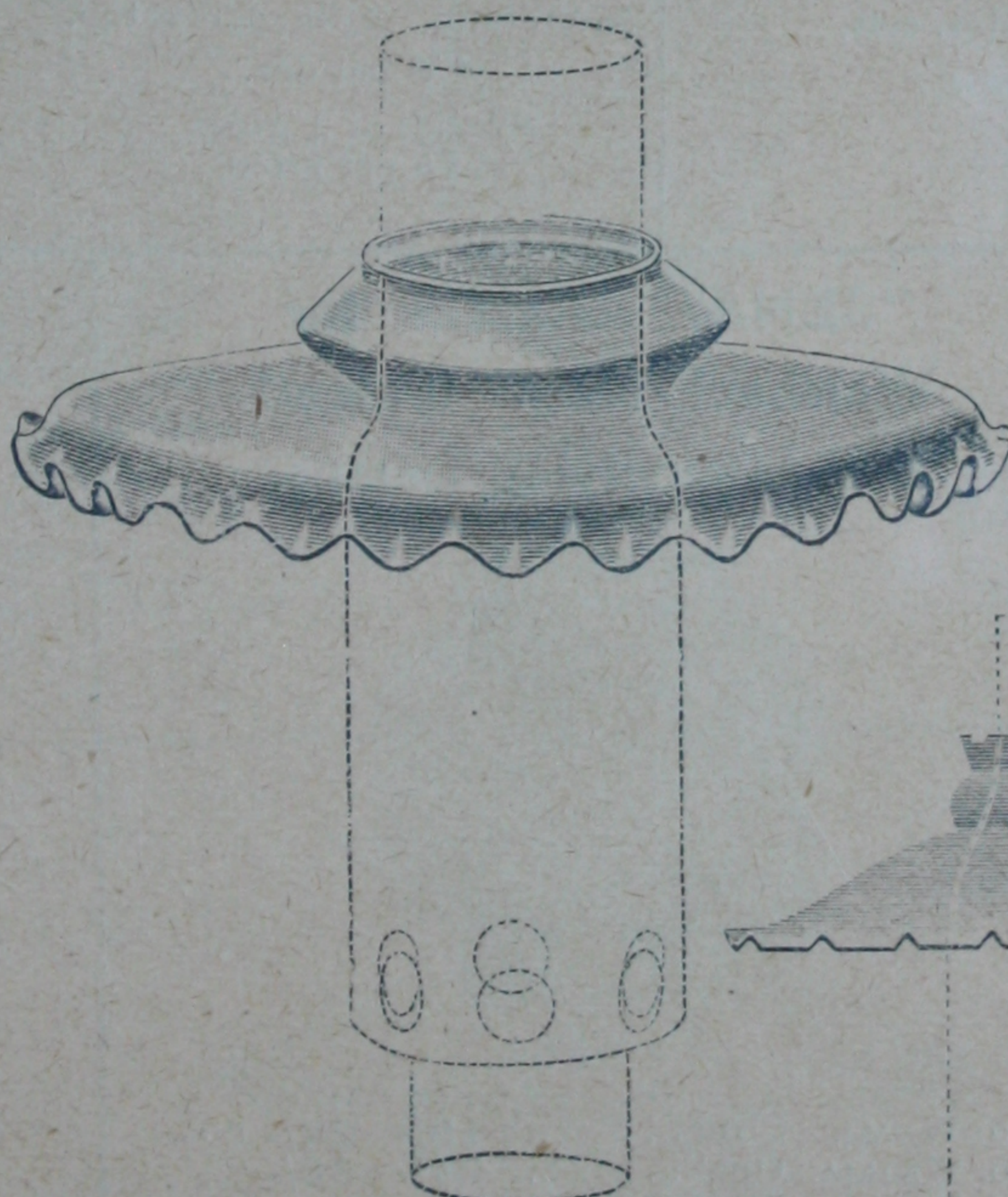
No. W313w.
Height 6-in. Diam. 5 1/2-in.
Side Reflecting Opaline Shade only, 9/4 doz.
By case of 16 doz., 7/10 doz.

No. W266a w.
Height 5 1/2-in. Diameter 6-in.
Opaline Shade only, 11/10 doz.
By case of 12 doz., 9/10 doz.

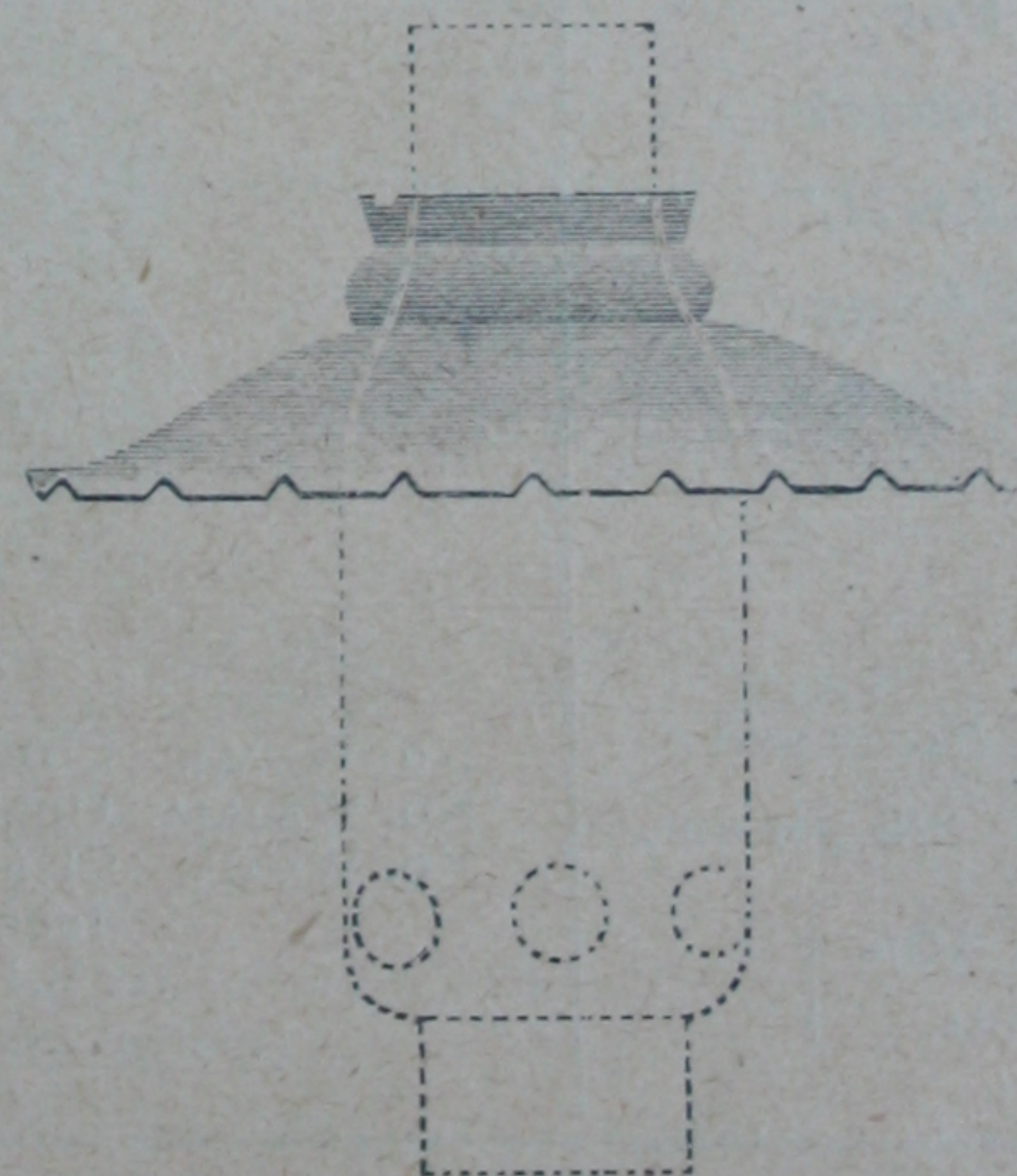
Shades Nos. W266a w, W326w and W408w, with plain edge, 9d. per dozen extra.



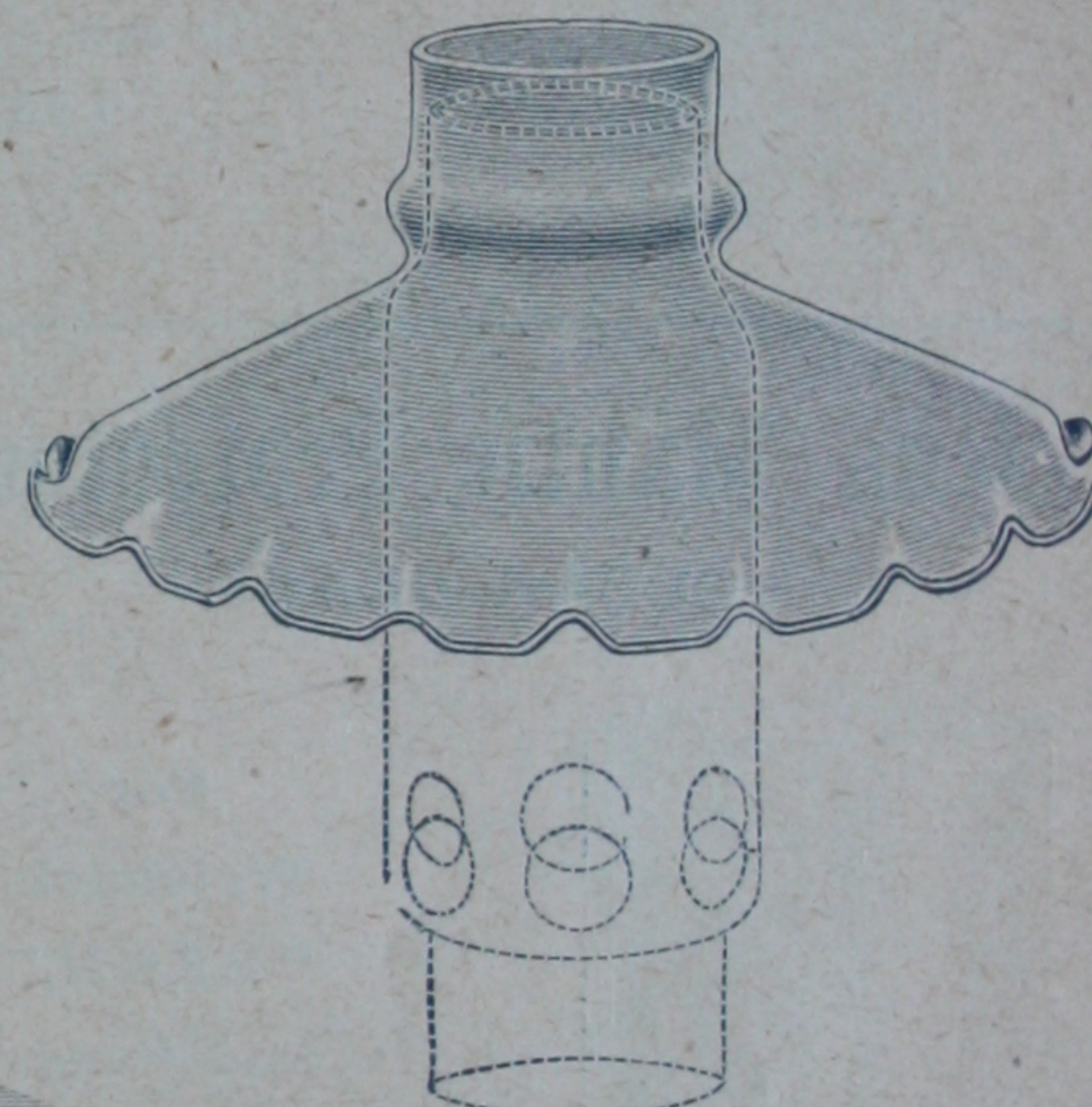
No. W620W.
Jena "Autosit" Shade only.
For use with Gem Normal Chimney.
9/4 per doz.
By Case of 16 doz., 8/= per doz.



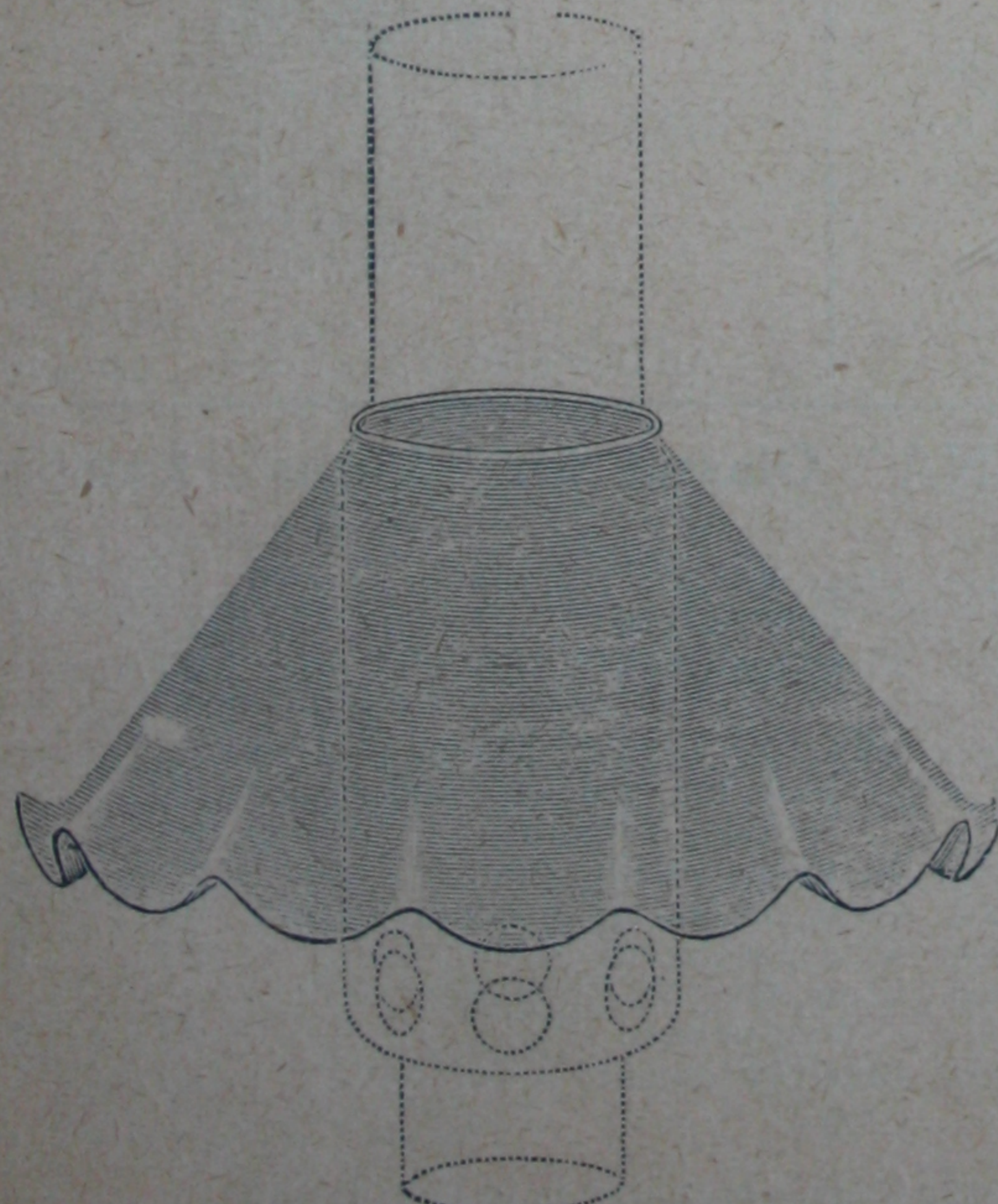
No. W509w.
Height 3-in., diam. 8 1/2-in.
Opaline Shade only, 13/6 per doz.
By case of 12 doz. 11/2 per doz.
For 10-in. H.P. Chimneys, No. 5128.



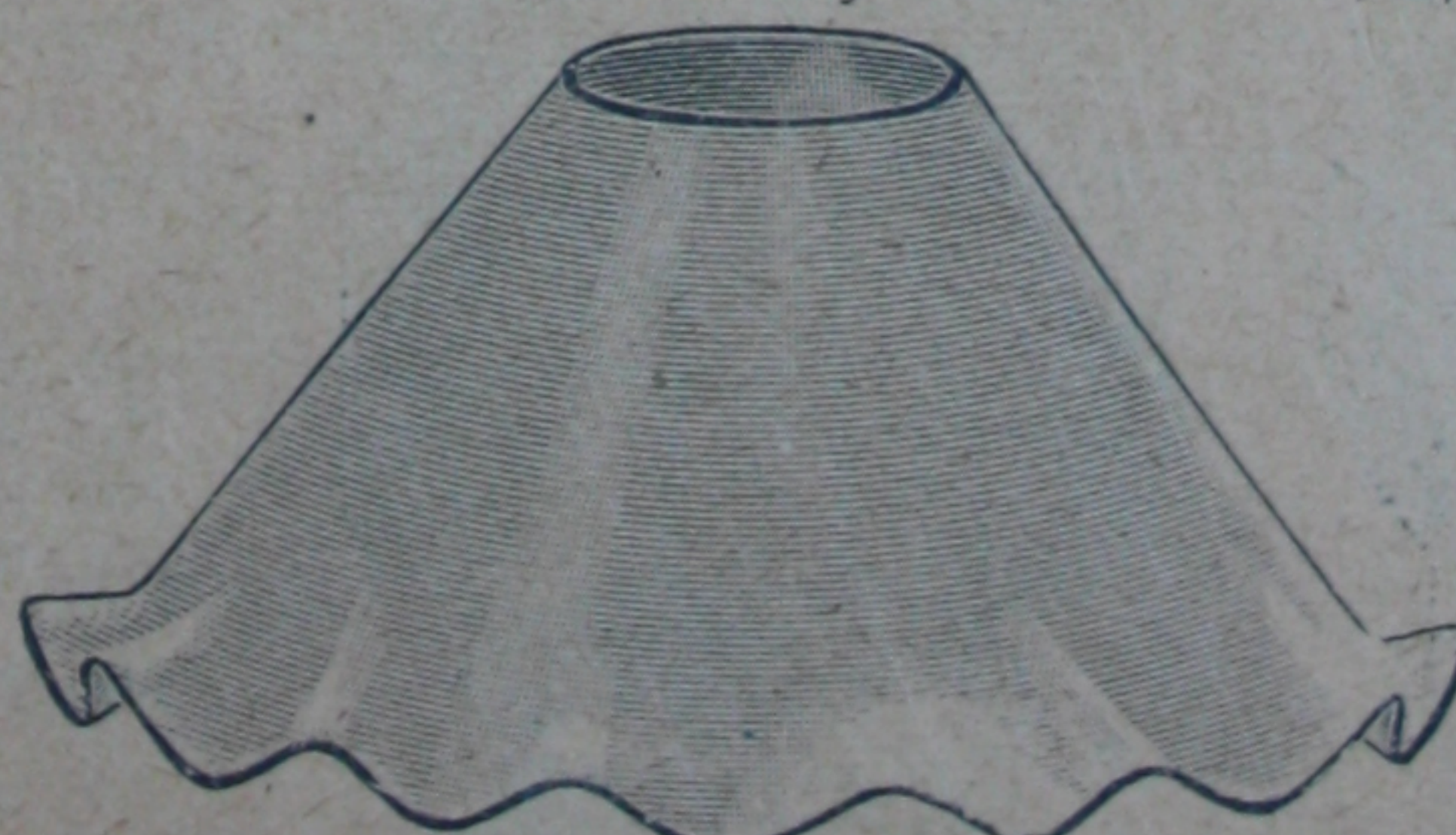
No. W606W.
Jena "Autosit" Shade only.
For normal Chimneys.
9/6 per doz.
By case of 16 doz., 8/= per doz.



No. W536W.
Opaline "Autosit" Shade (only). Jena Glass.
For use with **Normal** Chimney.
3 1/2-in. x 7-in.
10/6 per doz.
By case of 12 doz., 9/= per doz.



No. W379w.
Height 3 1/2-in., diam. 7 1/2-in.
Opaline Shade only, 11/= per doz.
By case of 12 doz., 9/= per doz.
For use with Chimney W5128.



No. W431W.
Shade only for Normal Chimneys.
Jena Glass.
Height 3 1/2-in. Diameter 6 1/2-in.
10/= per doz.
By case of 12 doz., 8/= per doz.

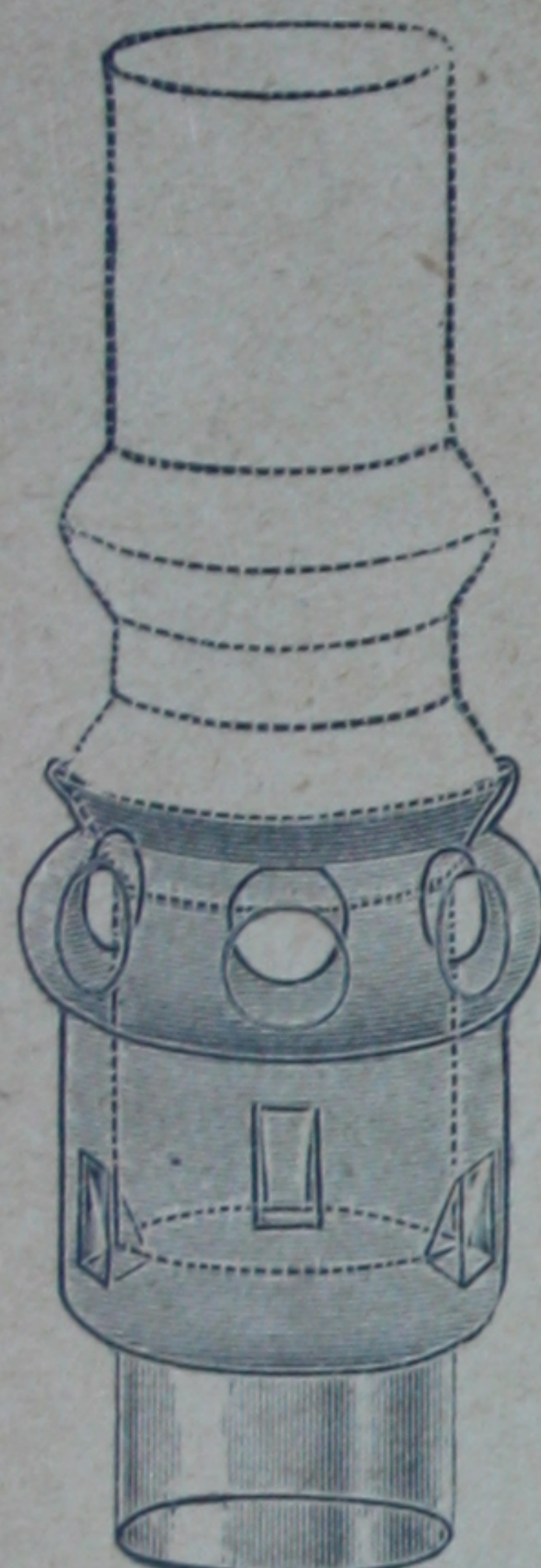


No. W409W.
Opaline Side Reflecting Shade (only).
Jena Glass.
For use with Chimney W5128
6 1/2-in. x 6 1/2-in.
12/- per doz.
By case of 12 doz., 10/= doz.

WELSBACH LIGHT

The "KONAX" Patent Jena Suspension Set.

For "C" BURNERS.



Constructed to prevent a direct draught from striking the Mantle.

Specially suited for old and draughty Street Lanterns.

No. W6010.

Clear Bottom glass only, 6/- per doz.
By case of 40 doz., 60/2 per gross.

Clear Top glass only, 4/8 per doz.
By case of 40 doz., 46/- per gross.

Clear Bottom and Top glasses combined,
10/8 per doz, sets.

By case containing 20 doz. sets,
106/2 per gross sets.

Jena Street Lamp Protection Glasses.



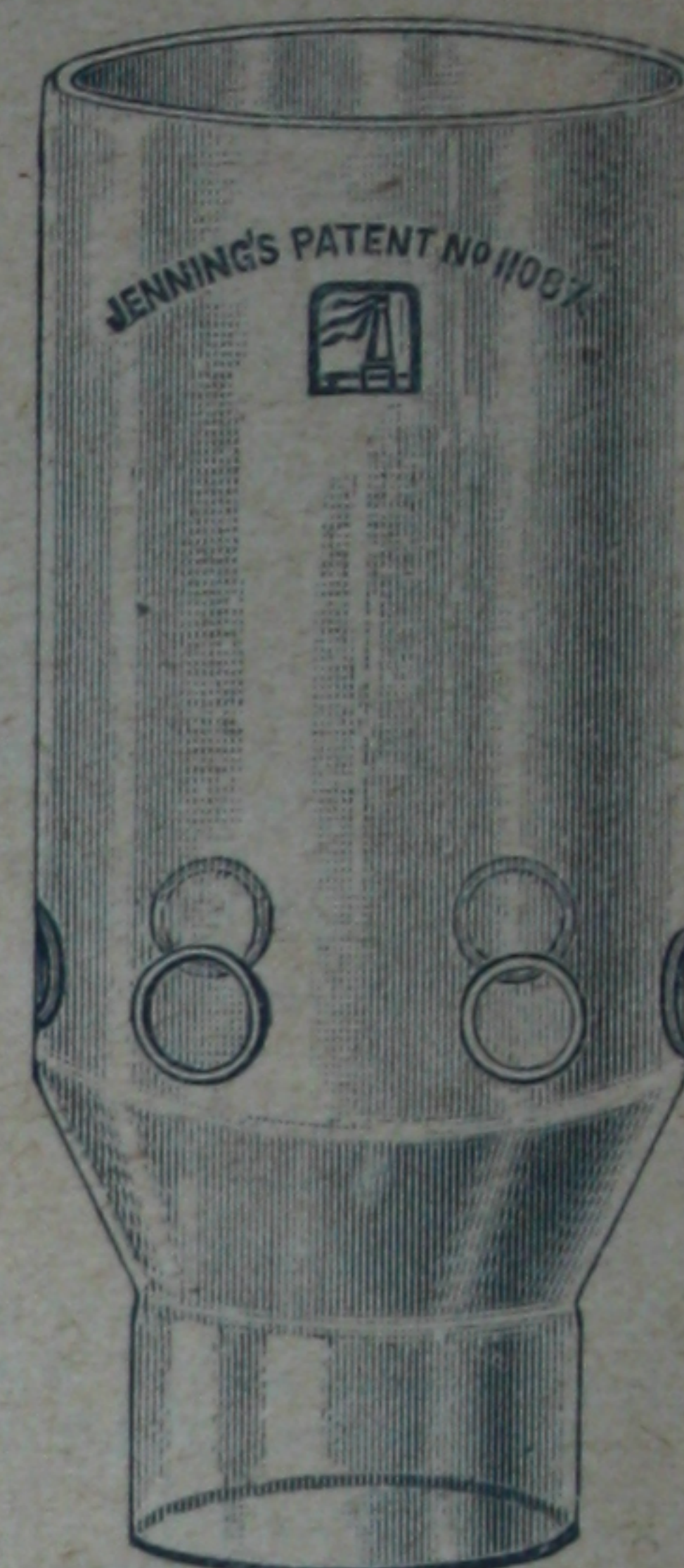
For "C" Burners.

No. W5113A.

1 15/16-in. Fitting.
5 1/8-in. long. 2 1/2-in. across top.

4/6 per doz.

By case of 4 gross,
41/- per gross.



No. W5112.

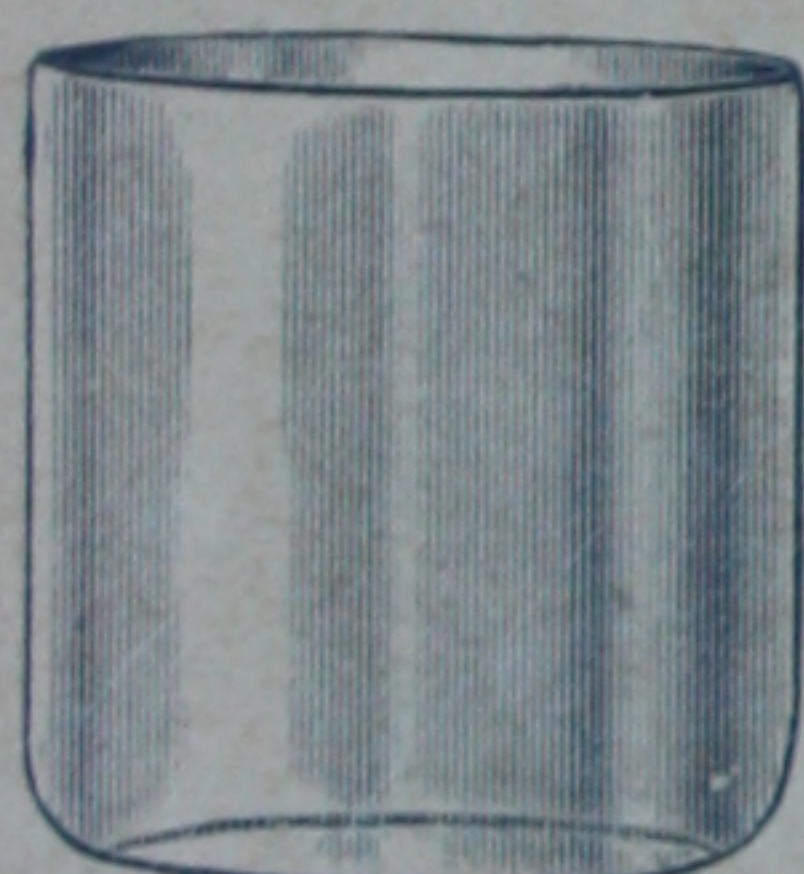
Jennings' Patent Mantle Protector
for use on Kern Burners.

Fits on cone of burner, no protector
holder required.

For Kern Burner No. 2 ... 6/8 doz.
" " " " 3 ... 7/6 "
" " " " 4 ... 8/4 "

Jena Mantle Protectors.

CLEAR GLASS.



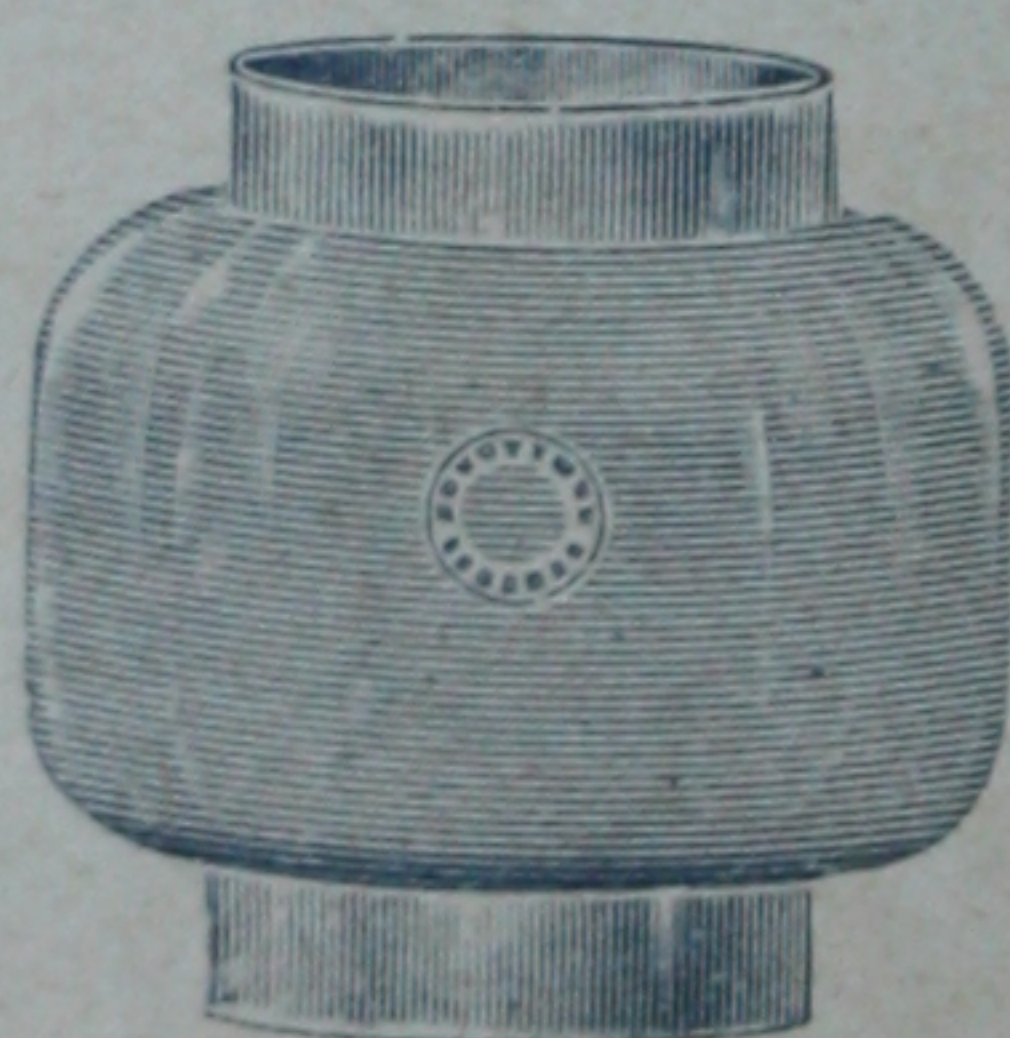
For
Welsbach
"KERN,"
and Suggs'
BURNERS.

No. W5012.

Kern		SIZES.		Suggs'
2	3	4		Nos. 3 and 4.
3/-	3/4	3/8		3/8 per doz.
35/-	36/-	40/=	40/=	

per gross by case of 3 gross.

"JENA" Glasses for Welsbach-Kern (Patent) Self-Intensifying Lamps.



No. W5044.

No. W5044. Clear ... 150-300 600 c.p. ... 18/= 24/= doz.
No. W5044A. Opal ... 24/= 30/= "
No. W5045. Clear Straight
Jena Glasses,
for S.I. clusters 10/= 15/= "
Special quotations for case lots.

"JENA" Bulb with Air Holes.



No. W272J.

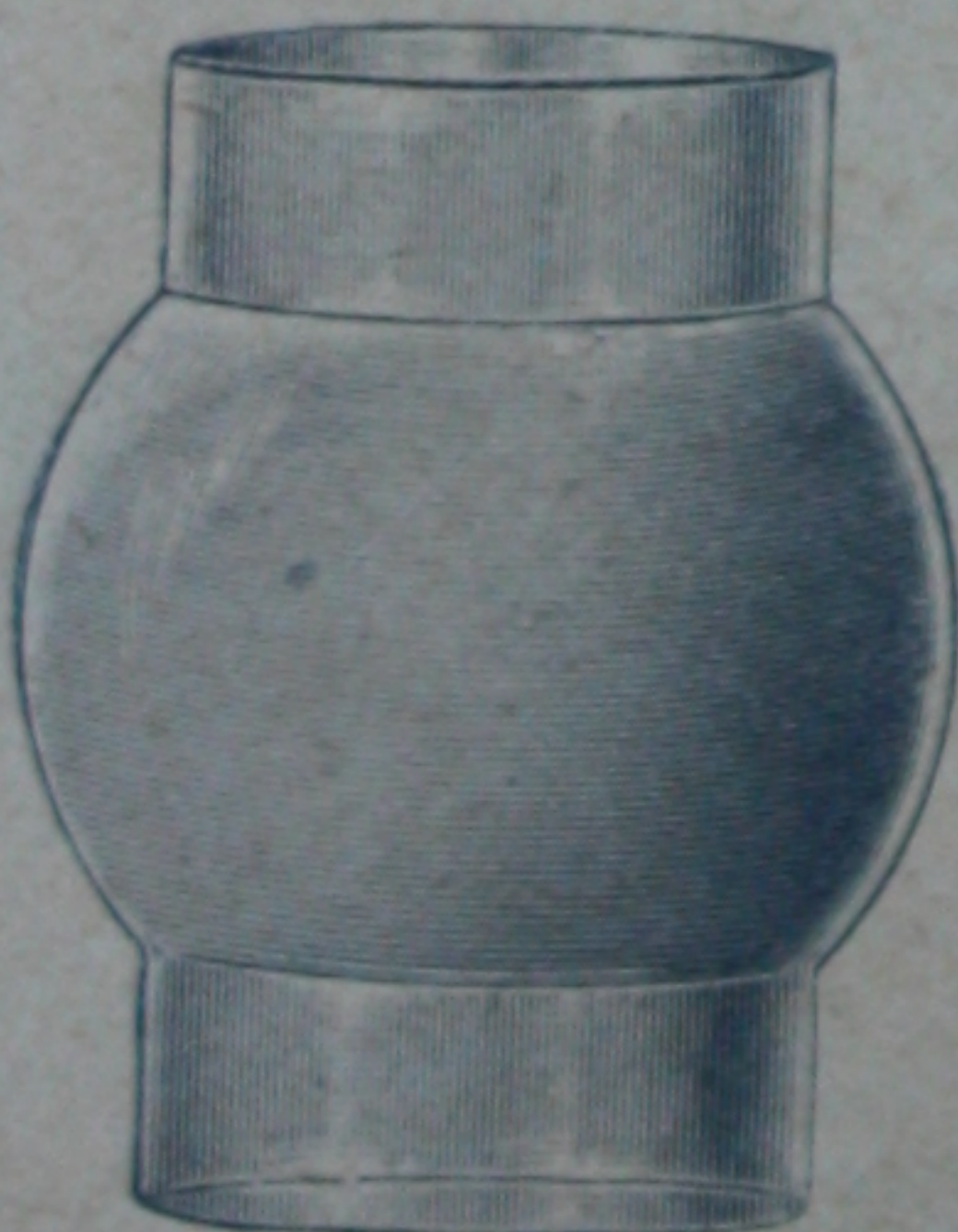
Loose
All Obscured, 7/- per doz. Cases of 2 gross. 66/= gross.

"JENA" Glasses for "Lucas" Lamps.

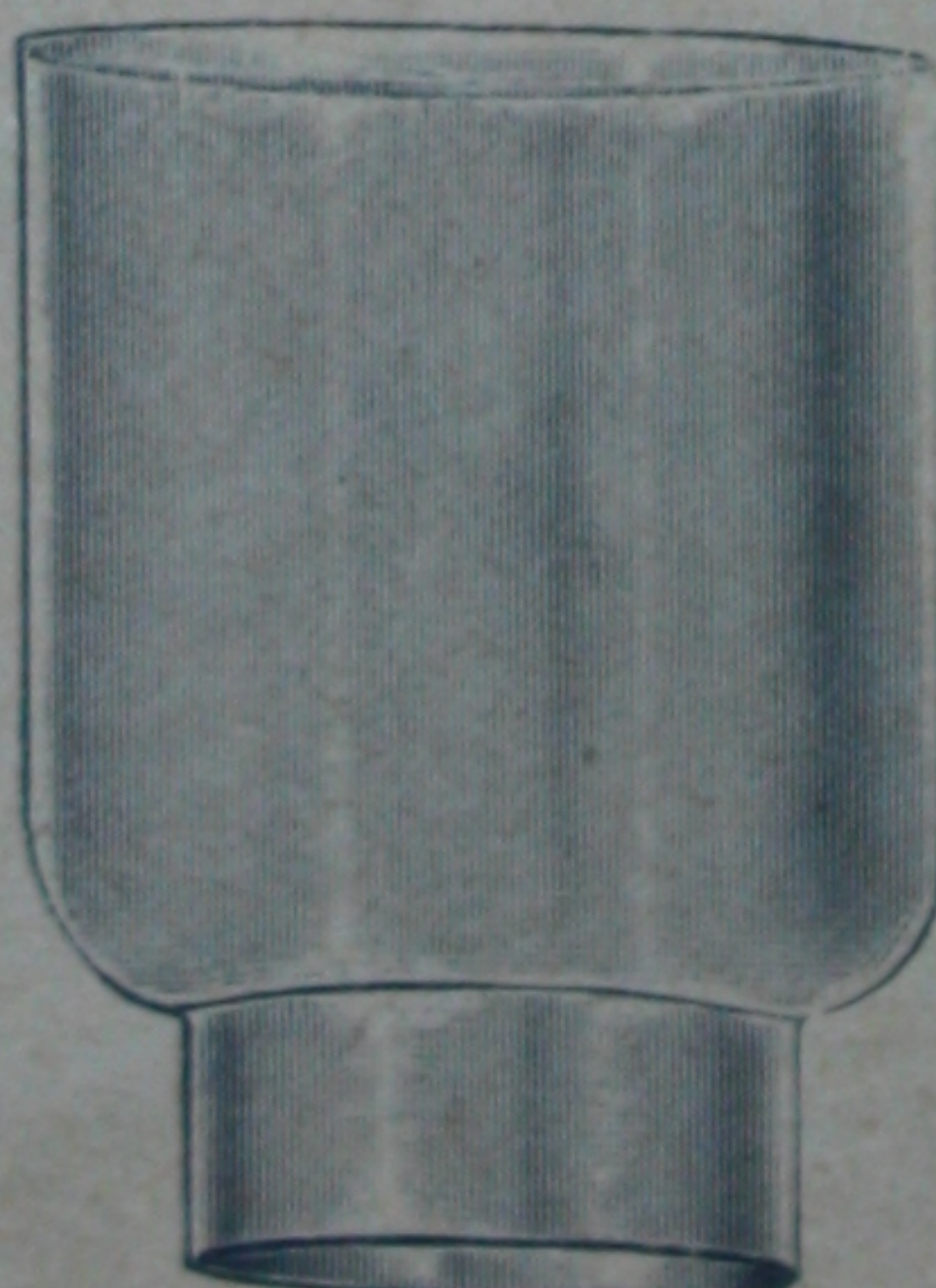
		By case of 12 doz.	Per doz.
No. W6000.	Clear, for 200 c.p. indoor or outdoor pattern	17/4	14/=
No. W6001.	Blue Opalescent do. do.	21/=	18/=
		By case of 10 doz.	Per doz.
No. W6002.	Clear for 400 c.p. indoor pattern and for 700 c.p. indoor or outdoor pattern	21/=	18/=
No. W6003.	Blue Opalescent do. do.	27/=	23/=
No. W6004.	Clear, for 400 c.p. outdoor pattern	21/=	18/=
No. W6005.	Blue Opalescent do. do.	27/=	23/=
No. W6006.	Clear, for 700 c.p. indoor or outdoor pattern	21/=	18/=
No. W6007.	Blue Opalescent do. do.	27/=	23/=
		By case of 6 doz.	Per doz.
No. W6008.	Clear, or 1000 c.p. indoor or outdoor pattern	34/=	30/=
No. W6009.	Blue Opalescent do. do.	43/=	37/=



No. W6000.
No. W6001.
No. W6002.
No. W6003.



No. W6004.
No. W6005.
No. W6006.
No. W6007.



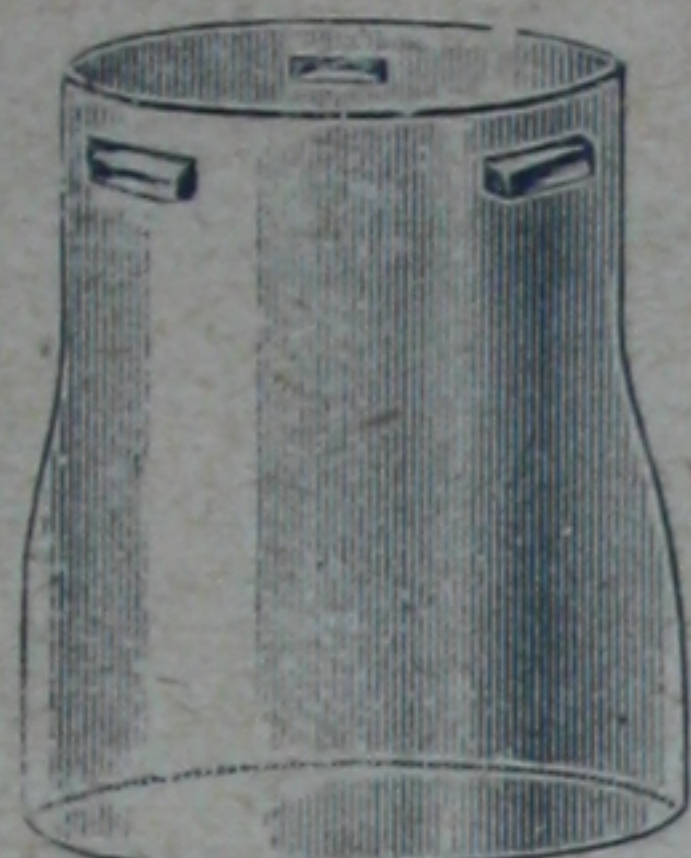
No. W6008.
No. W6009.

WELSBACH LIGHT



No. 828.

Jena Glass,
Clear Inner Chimney
for Bijou Graetzin
Burner,
3/8 per doz.
40/- per gross.



No. W721J.

**Clear Inner
Cylinder,**
For indoor lamps,
Welsbach, Graetzin,
etc., **3/8** doz.
By case of 6 gross,
35/- gross.



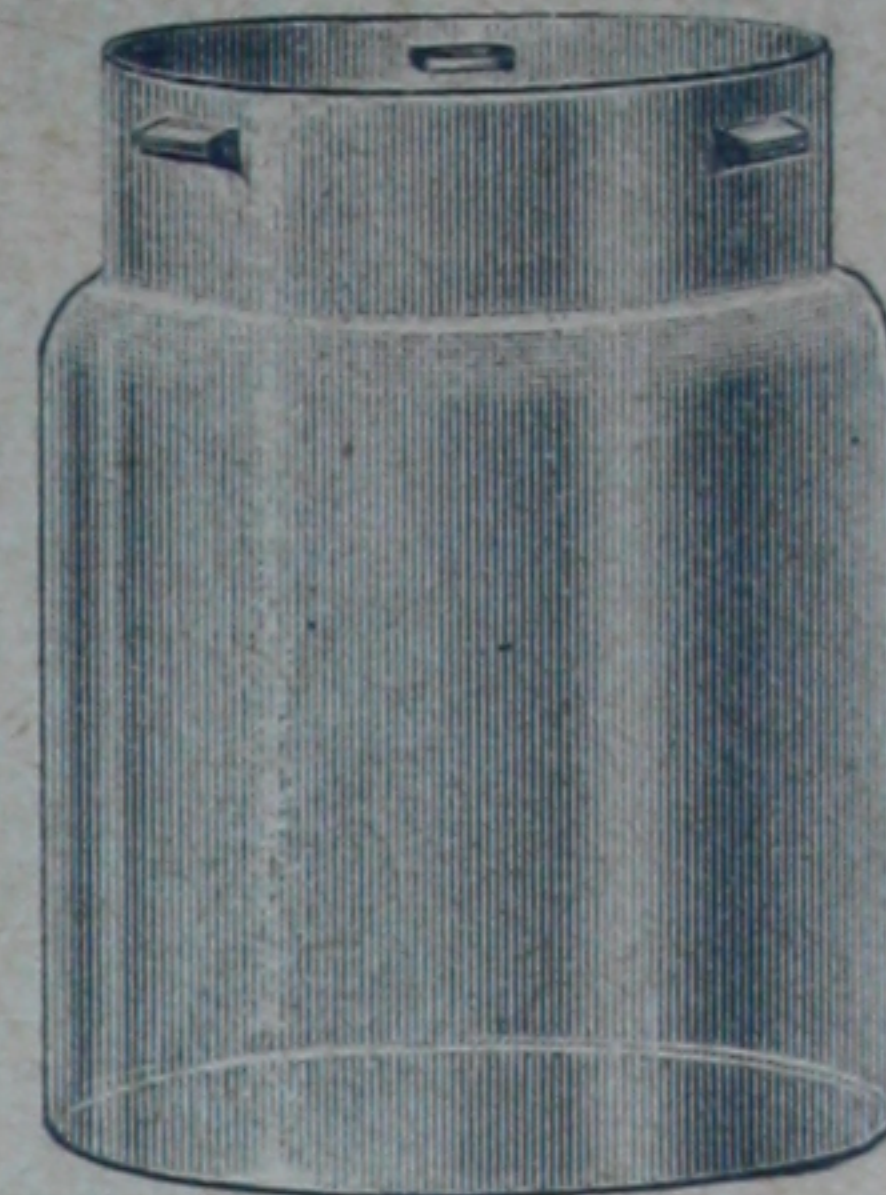
No. W1197J.

Jena Glass,
Clear Inner Cylinder,
for indoor lamps,
Welsbach, Graetzin,
etc., **3/8** per doz.,
or by case of 6 gross,
35/- per gross.



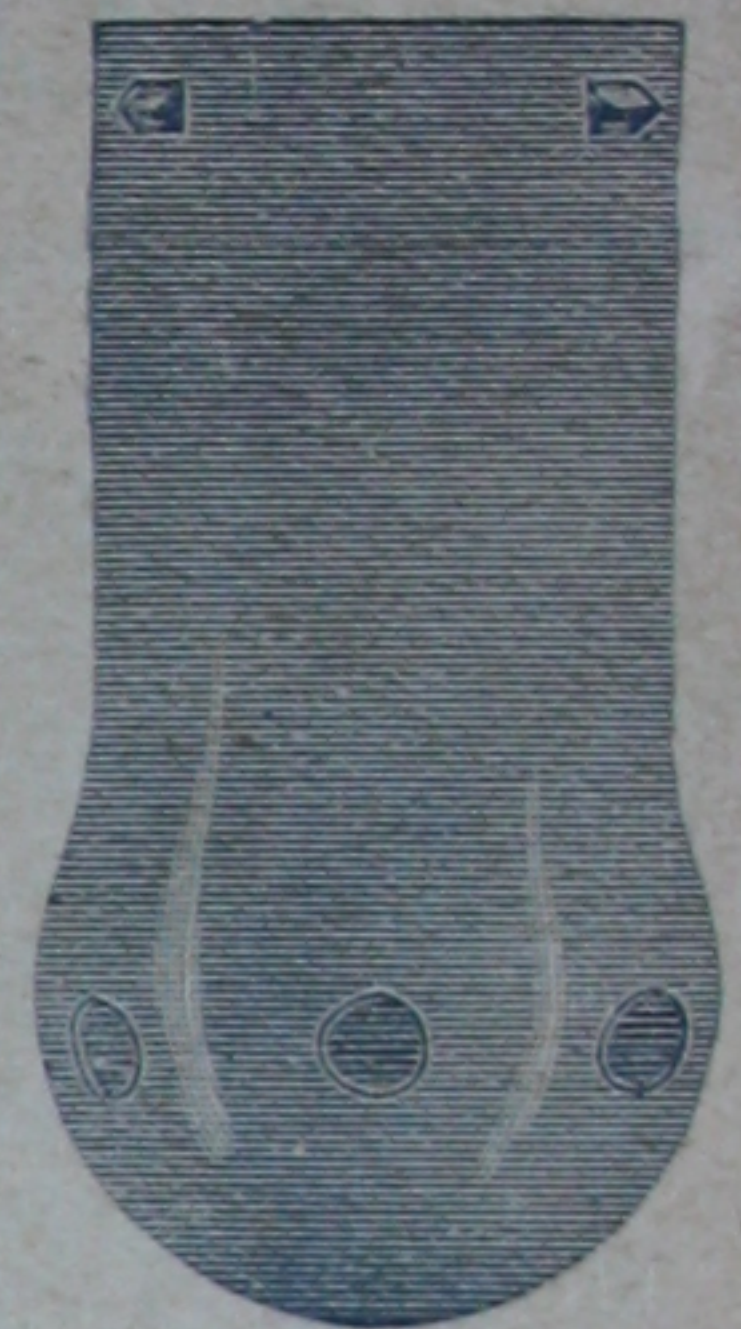
No. W829J.

2 1/2-in. fitting for out-
door lamps, Welsbach,
Graetzin, etc.
4/- per doz.
41/- per gross by
4-gross case.



No. W1806.

For 1,000 c.p. Outdoor
Lamps.
Pharos-Welsbach,
Graetzin, etc.,
5/- per doz.
52/- per gross,
by one gross case.
(Jena No. 1372J).



No. W766.

Jena Glass,
Clear Inner Bulb,
5/8 per doz.
By case of 3 gross,
58/- per gross.



No. W1807.

Jena Glass,
Clear Bulb with extra
large bulge for wide
bottom shades,
7/6 per doz.
84/- per gross.



No. W660. 4 1/2-in. diam.

Jena Glass,
For Welsbach 5119/20,
Graetzin, etc.
Loose. By case of 30 doz.
Per doz. Per gross.
Opaline... **6/4** **66/-**
Clear ... **6/-** **62/-**



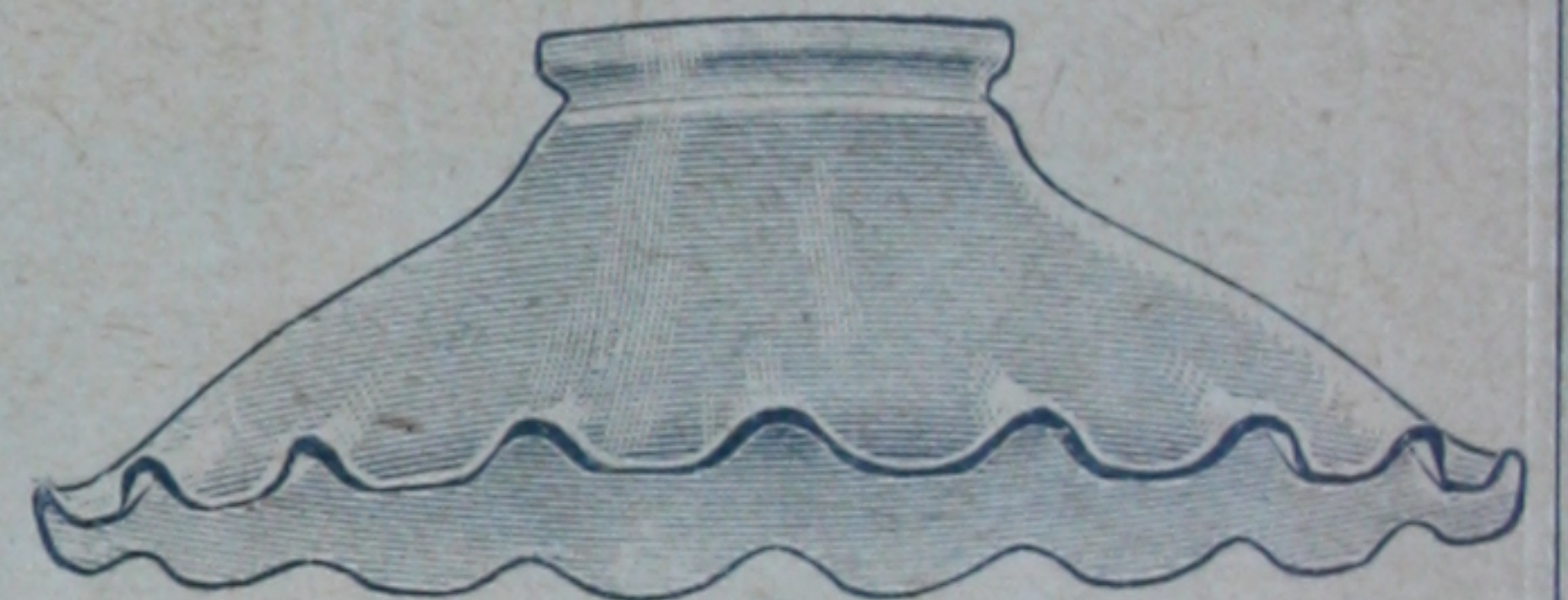
No. W791.

Jena Glass,
For Welsbach 5119/20,
Graetzin, etc.
Opaline, **6/8** doz.
By case of 16 doz.
68/- gross.



No. W660. E.I.

Jena Wide Pears,
For Welsbach 5119/20,
Graetzin, etc.
Opaline, **6/6** doz.
By case of 24 doz.,
68/- gross.



No. W1809.

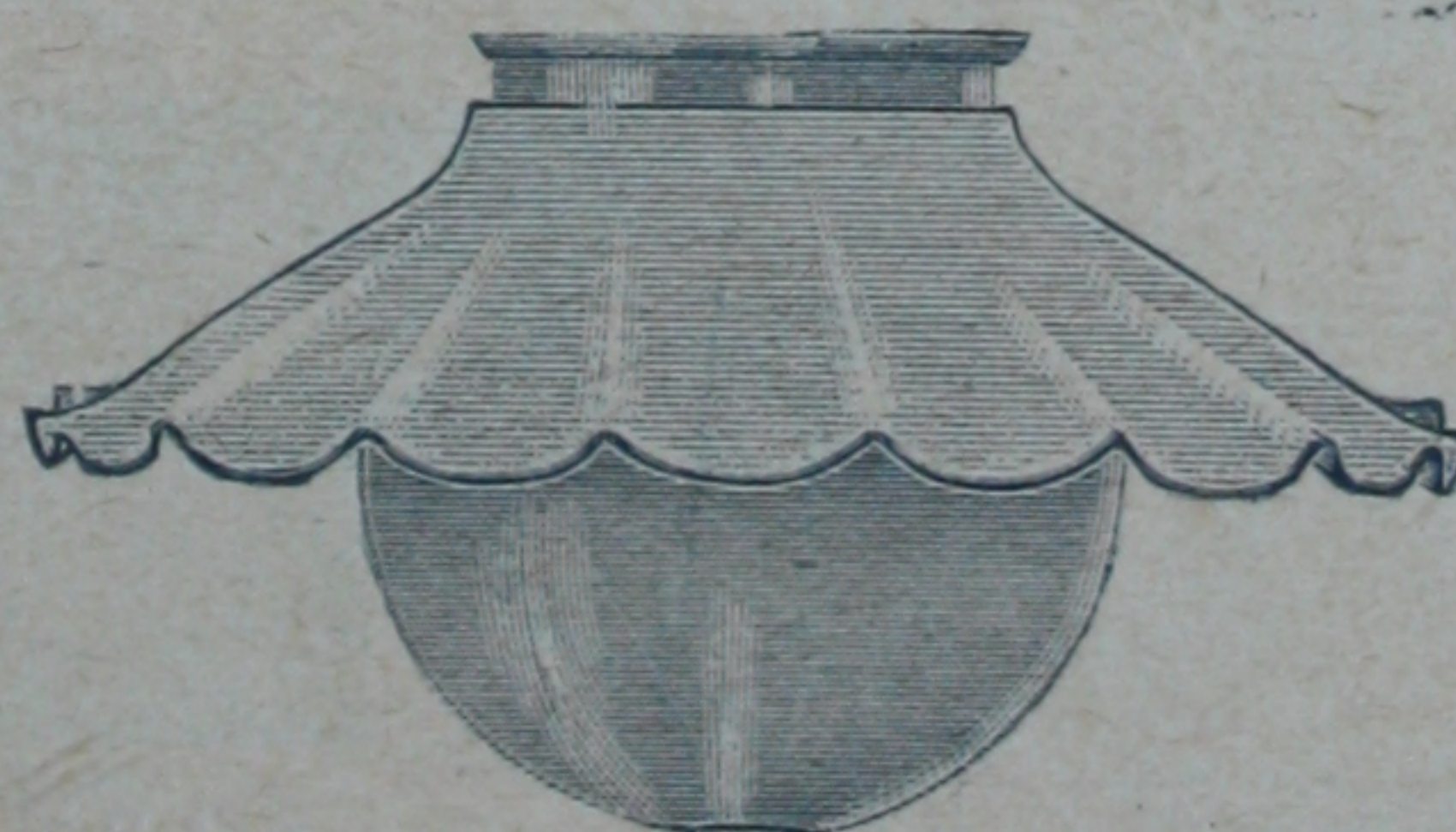
Jena Opaline Shade,
to fit into Burner and
take Bulbs 766 and 1807.
12/10 per doz.
By case of 16 doz.,
10/8 per doz.



No. W1811 Set.

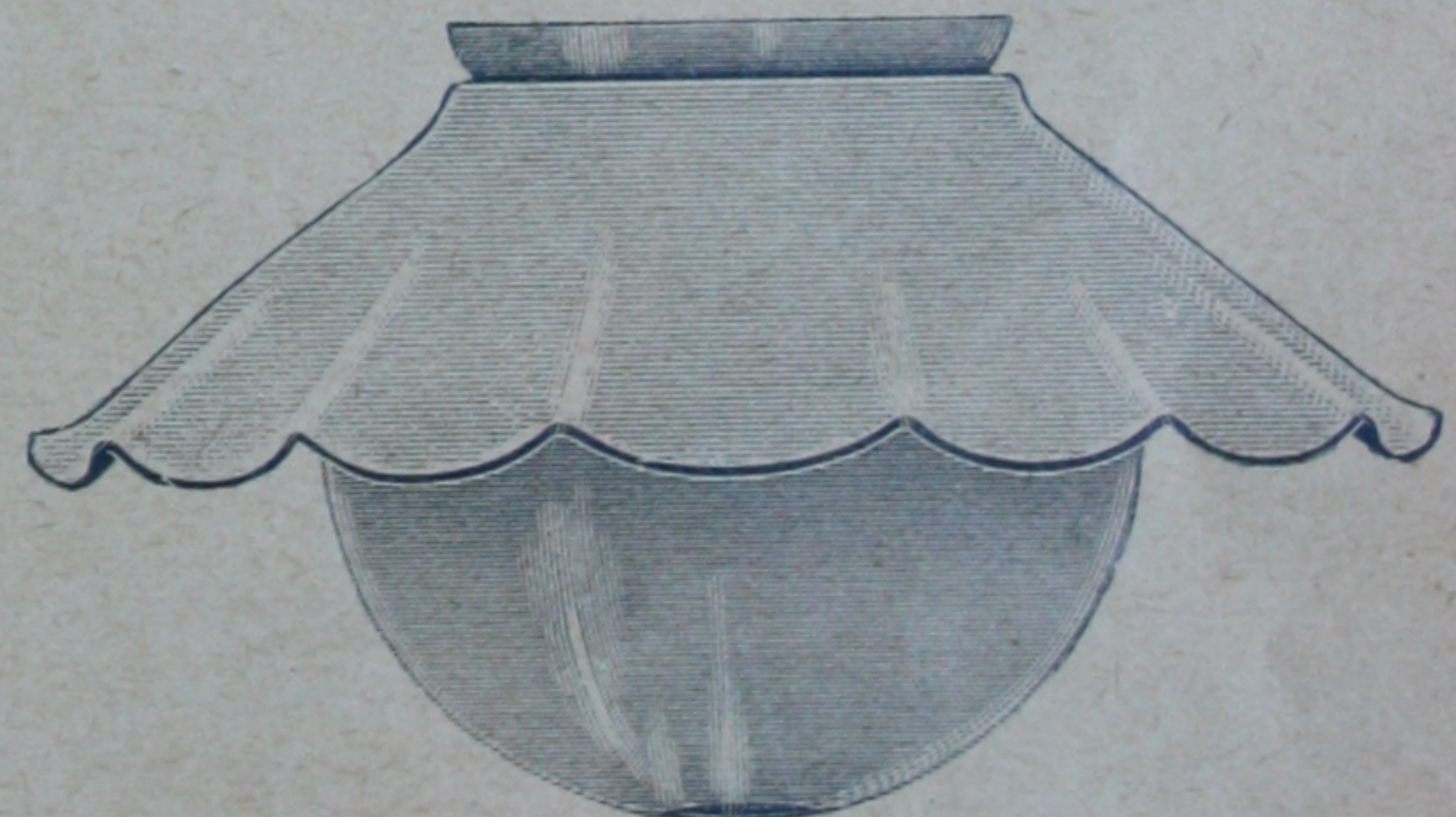
For **Bijou** Graetzin.

No. W862, Jena Opaline Shade for
Bijou Graetzin, **9/4** doz.
No. W851S " " Globe " " **6/-** "



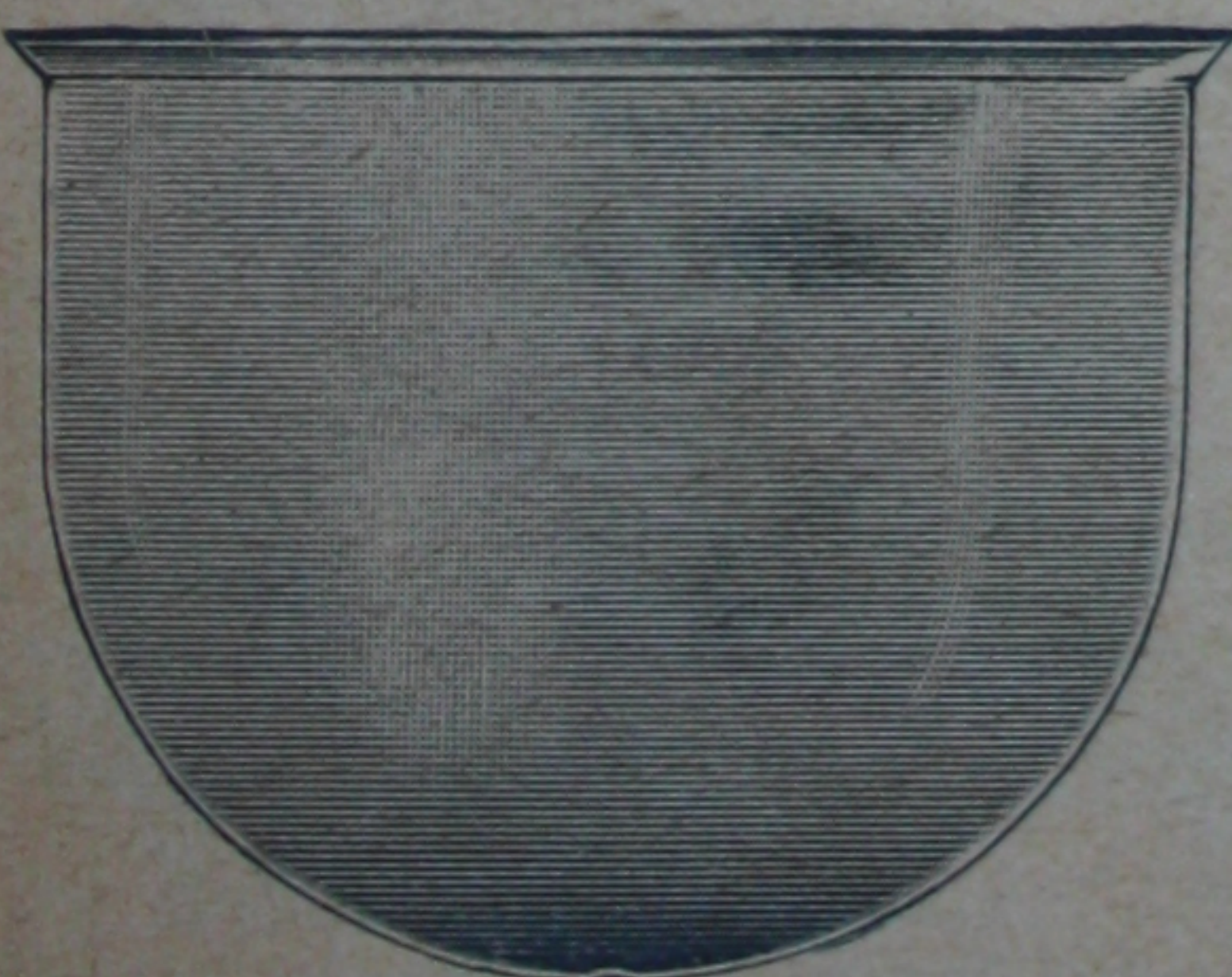
No. W1810 Set.

For Welsbach 5119/20, Graetzin, etc.
No. 863W, Jena Opaline Shade, **12/6** doz.
No. 660S, " " Globe, **6/4** "
Globes (only) by Case of 30 doz., **5/6** doz.



No. W1749 Set.

For Ordinary Inverted Burners.
No. 774, Jena Opaline Shade, **13/-** doz.
No. 773, " Clear Globe, **10/-** "
Globes (only) by Case of 12 doz., **8/-** per doz.



Jena Bowls for Welsbach and
Graetzin Outdoor Lamps.

Jena Bowls for Welsbach Lamps (Figs. 623 and 624) and for Graetzin Indoor and Outdoor Lamps.

	1	2	3	4	5	Light.
	No. W731L.	No. W836L.	No. W761L.	No. W761L.	No. W762L.	
	6 1/2 ins.	9 1/2 ins.	11 ins.	11 ins.	13 3/8 ins.	Flange Fitting.
Clear...	2/4	4/-	6/6	6/6	11/-	each.
Opaline	3/6	6/2	8/6	8/6	13/6	"

NOTE.—Welsbach 2-Light Lamps (Figs. 623 and 624) take 3-Light (11-inch) Globes, and 4-light, 623/4, take 5-light 13 3/8-inch.

For Half-Opal Globes see Lamps Fig. 623.

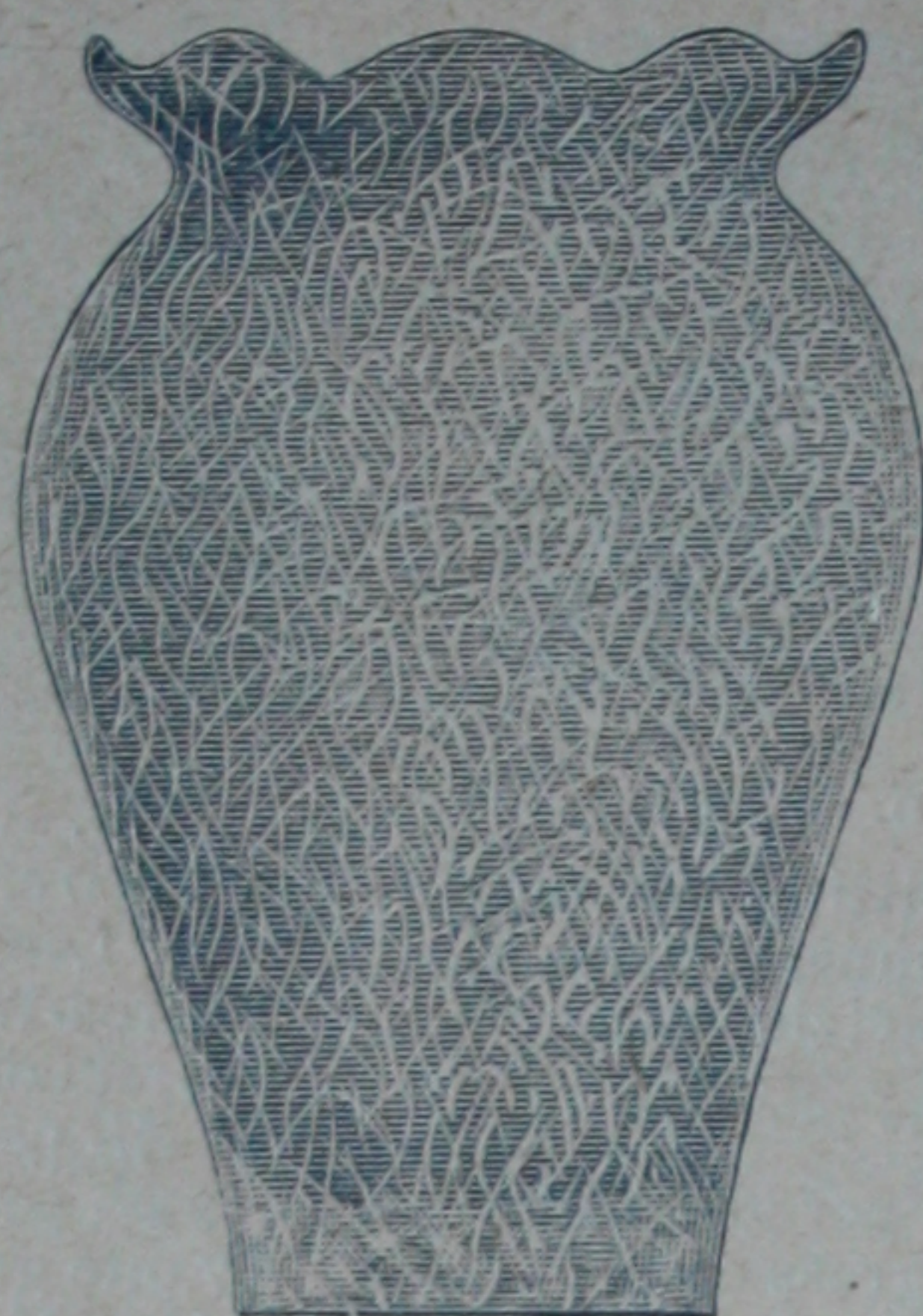
WELSBACH LIGHT

GLOBES FOR "C" AND "SIMPLEX" BURNERS.

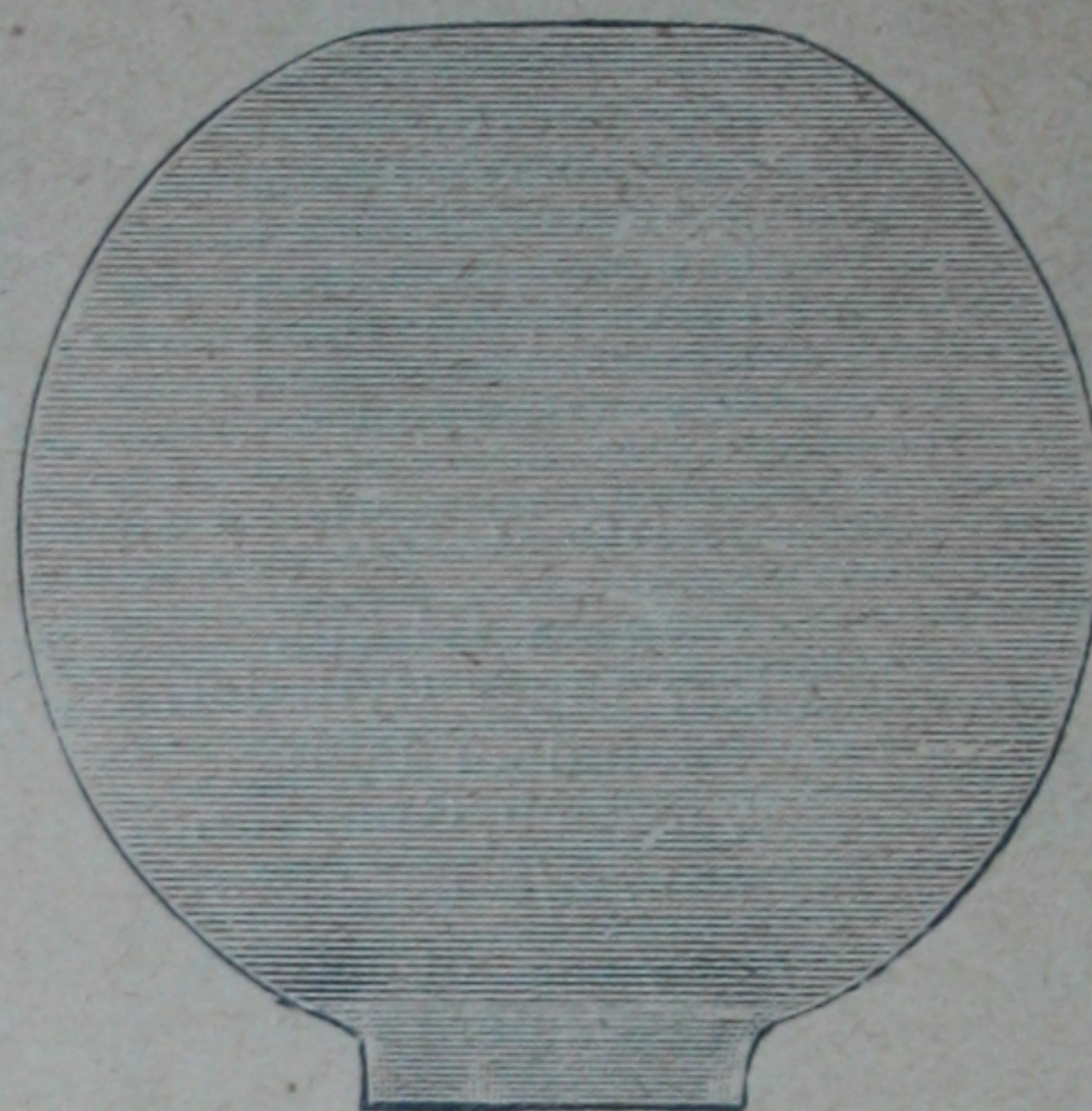
2 $\frac{5}{8}$ -inch FITTING.



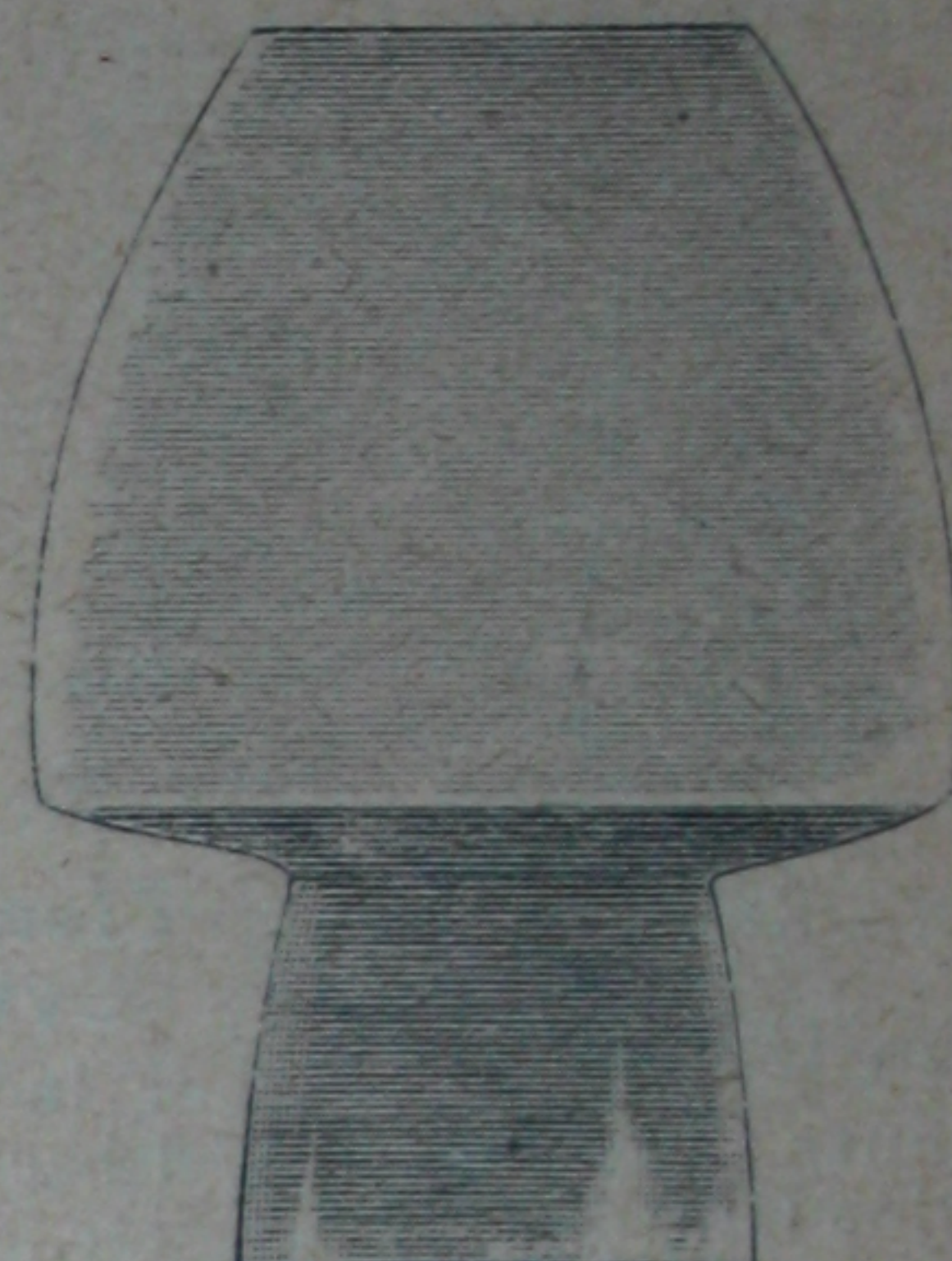
No. W72C.
Clear Glass,
4/6 per doz.
By case of 4 gross
46/- per gross.
Obscured, 4/6 per doz.



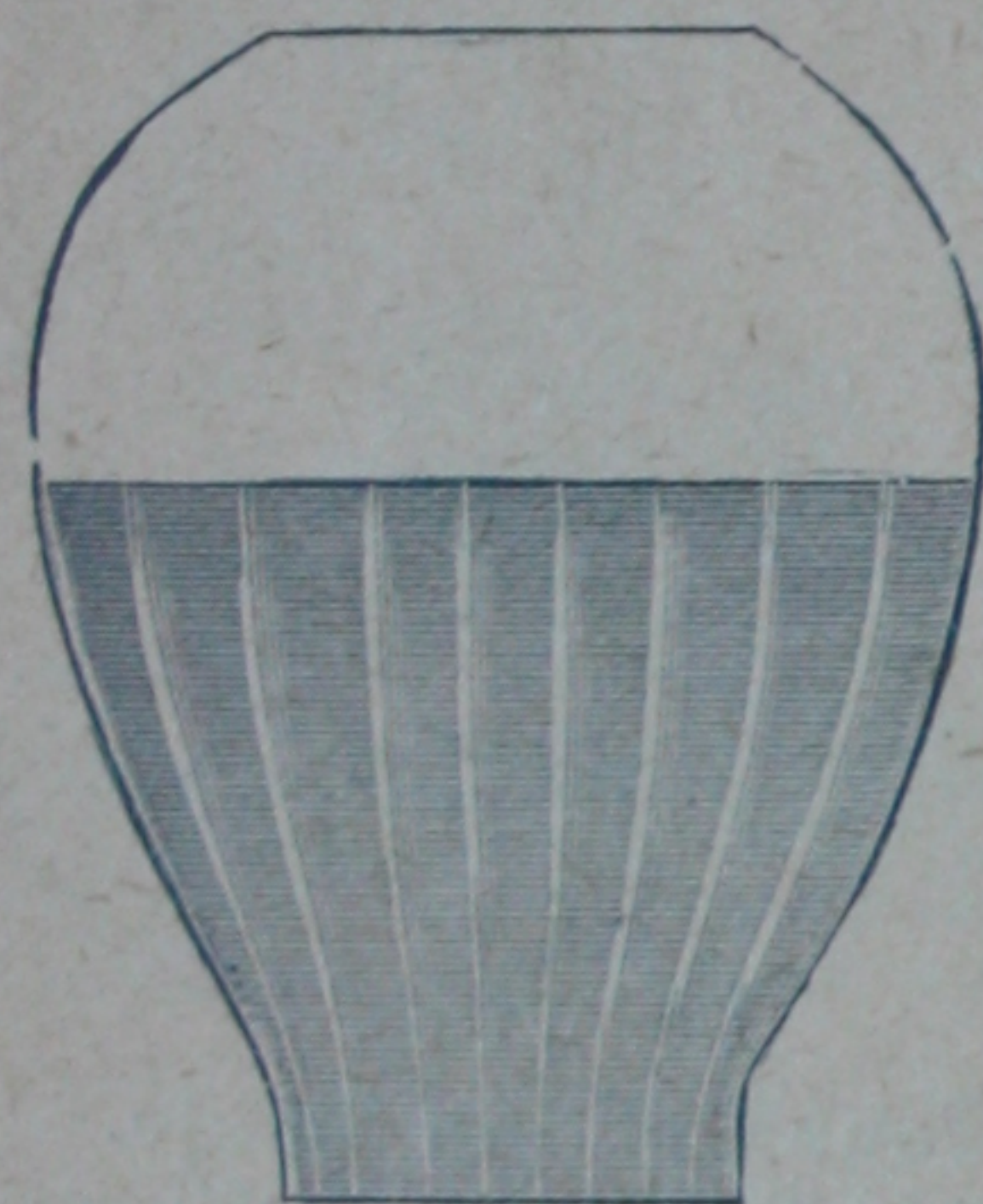
No. W1476.
Iced White 7/6 per doz.
,, Pink 12/- ,,



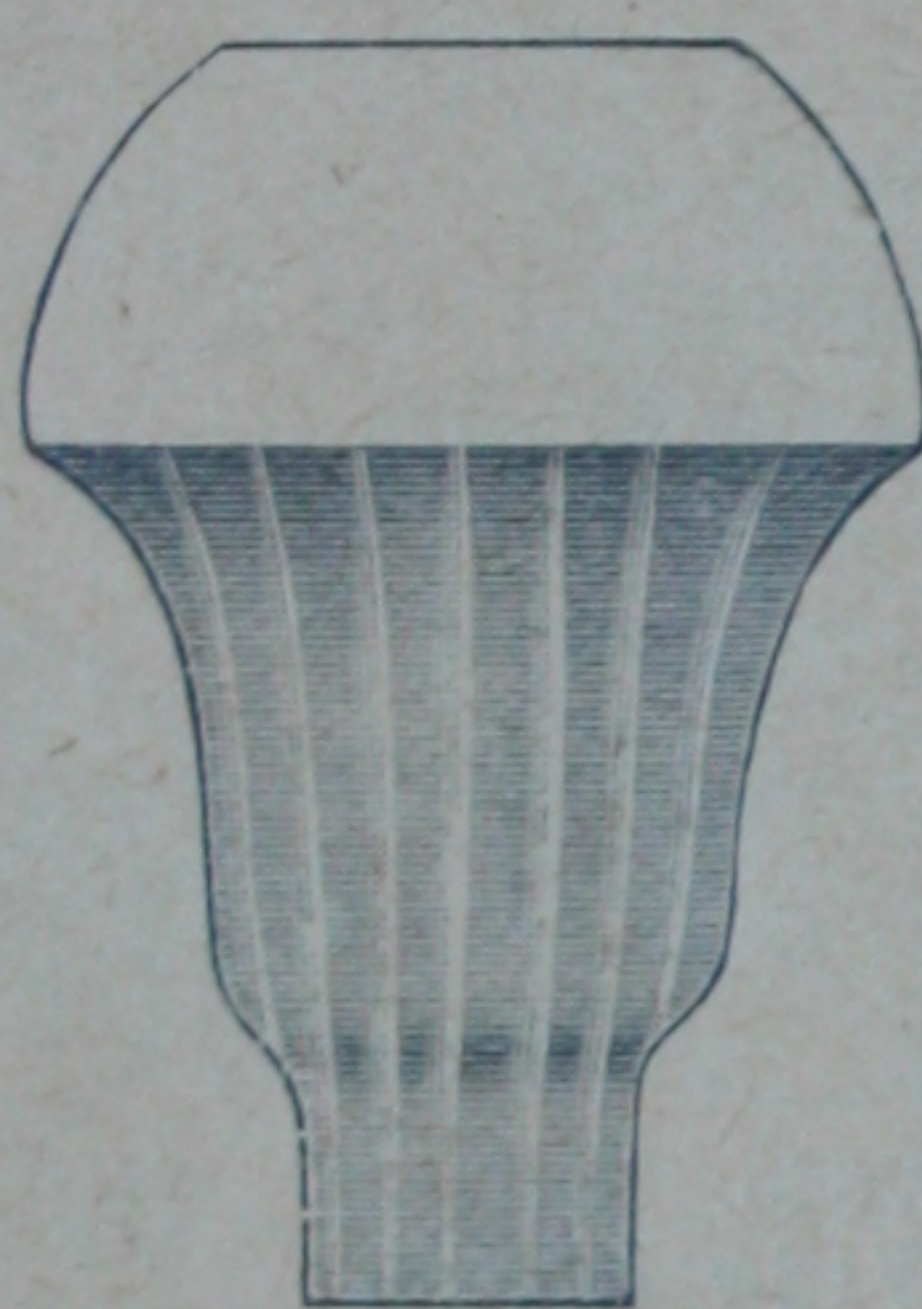
No. W1471.
Opal Comet,
10/- per doz.
By case of 8 dozen,
9/- per doz.
Clear Ruby,
10/- per doz.
Salmon Opal,
20/- per doz.



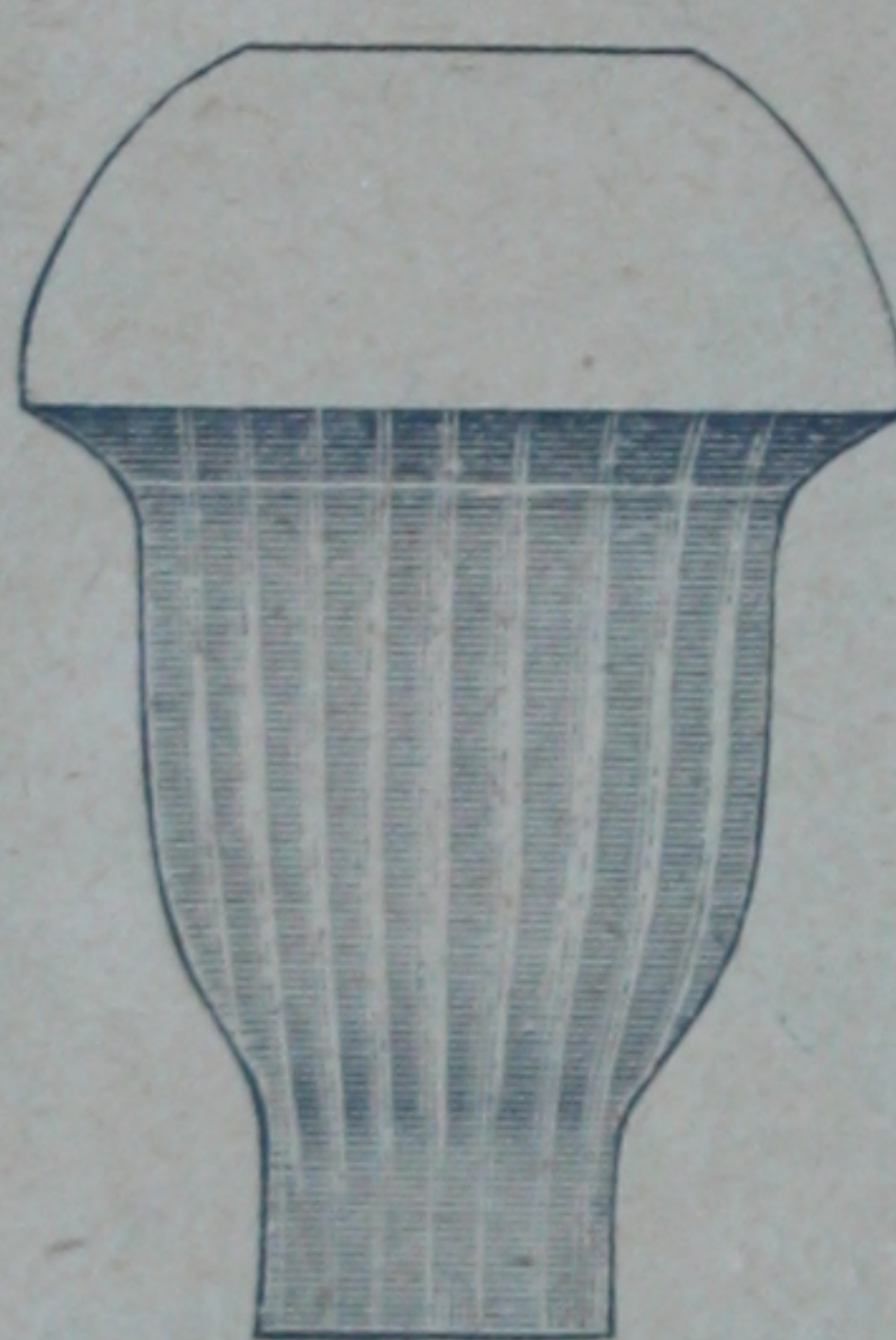
No. W1095.
Calypso Globe.
Opal and Clear, 9/6 per doz
Case of 12 dozen, 8/4 per doz.



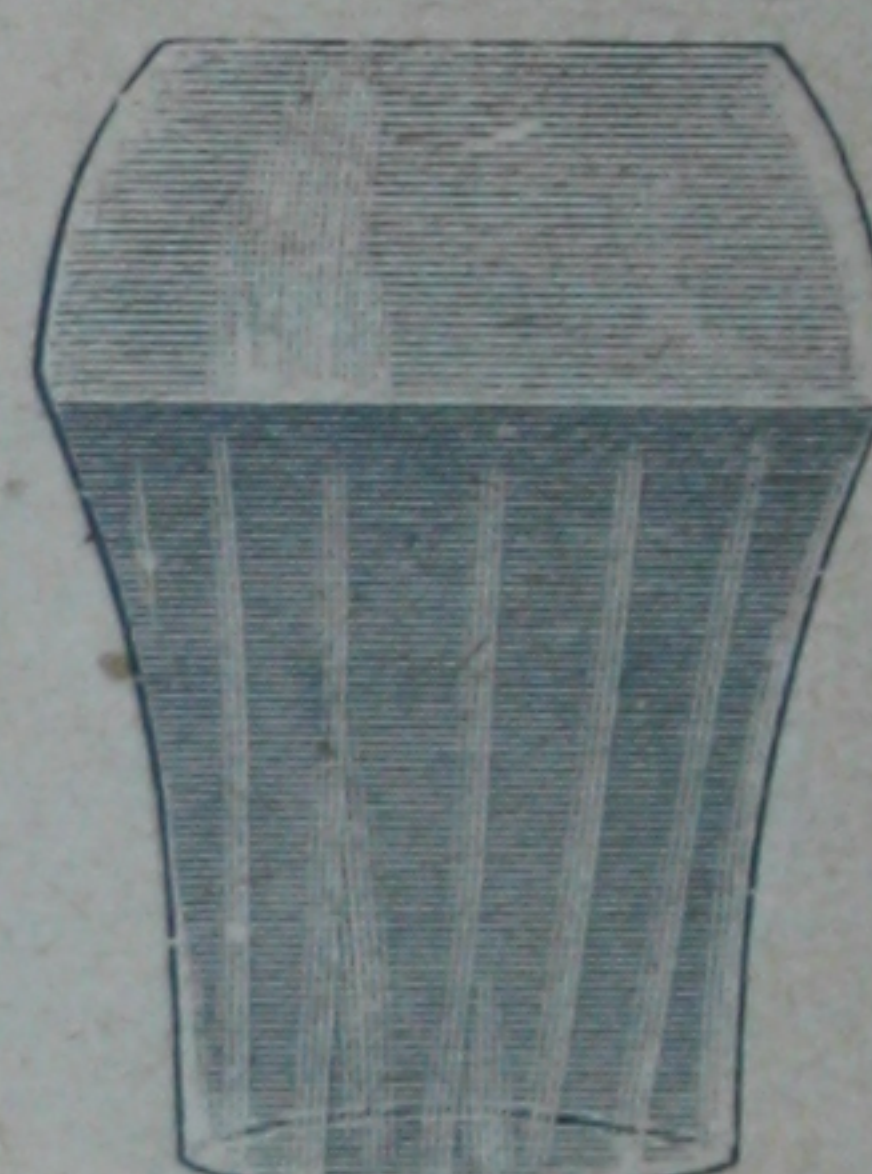
No. W1388.
Opal and Flint Optic,
14/- per doz.
Case of 12 doz. 12/- per doz.



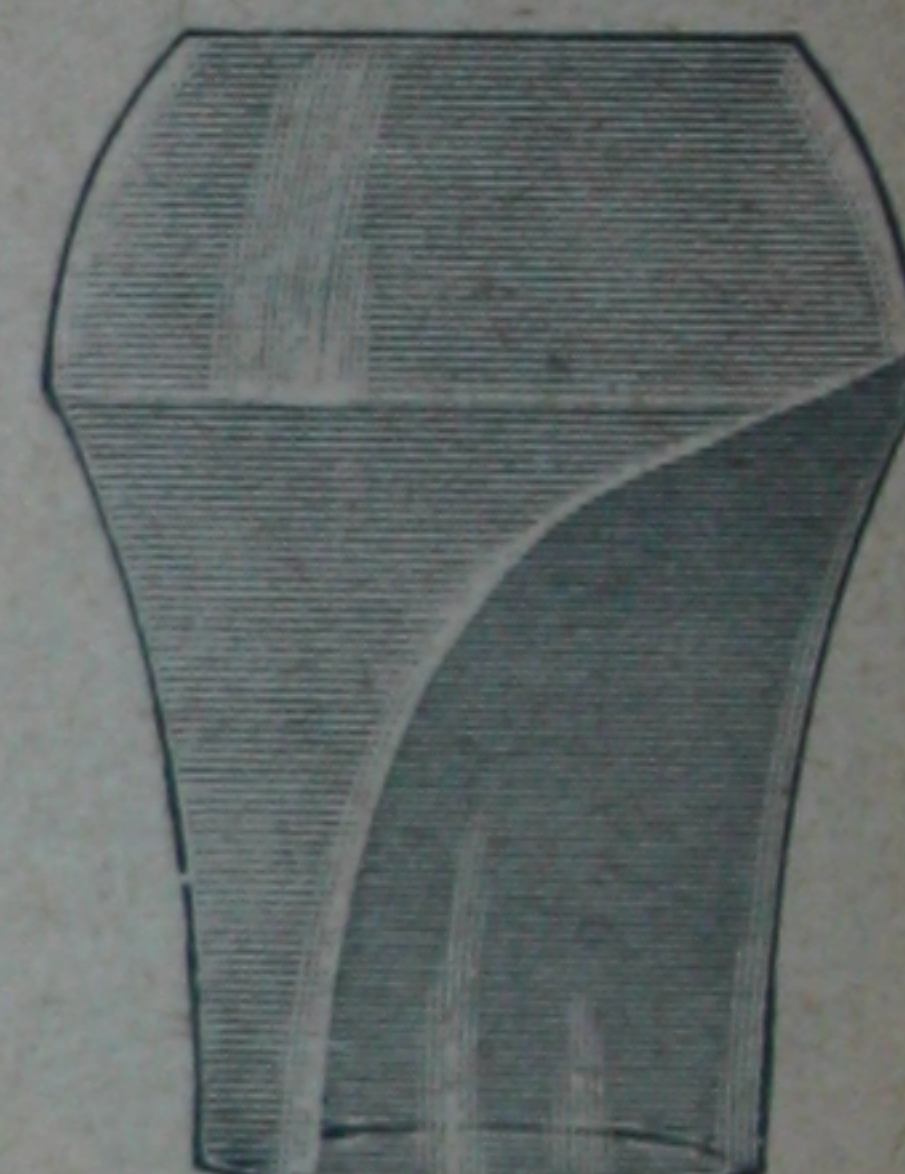
No. W1399.
Opal and Flint Optic.
These Globes fit Chimney Gallery.
10/6 per doz.
Case of 12 dozen, 9/6 per doz.



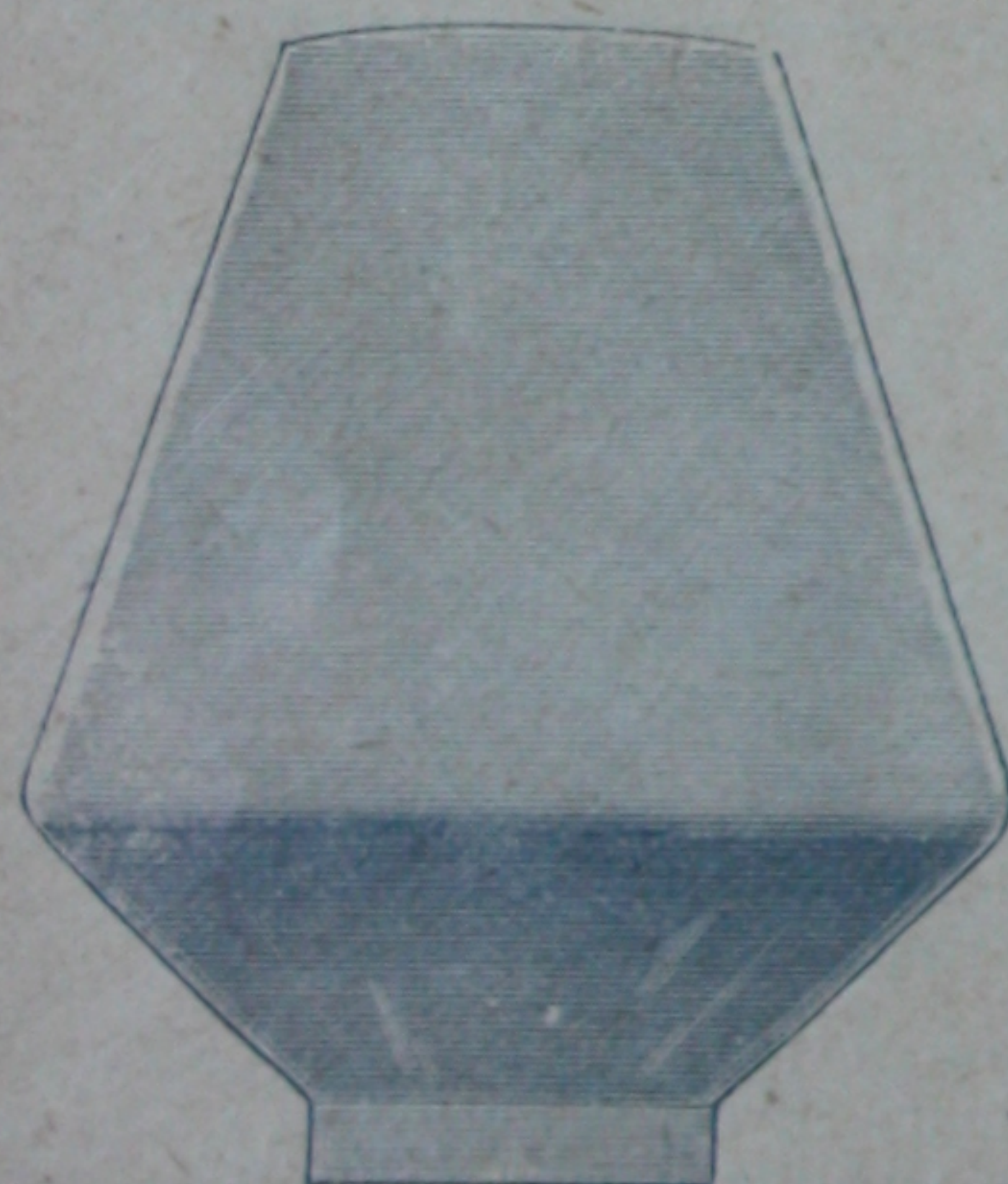
No. W1040.
Obscured,
10/- per doz.
By case of 8 dozen,
9/- per doz.



No. W1700.
Opal and Crystal
Optic,
10/- per doz.



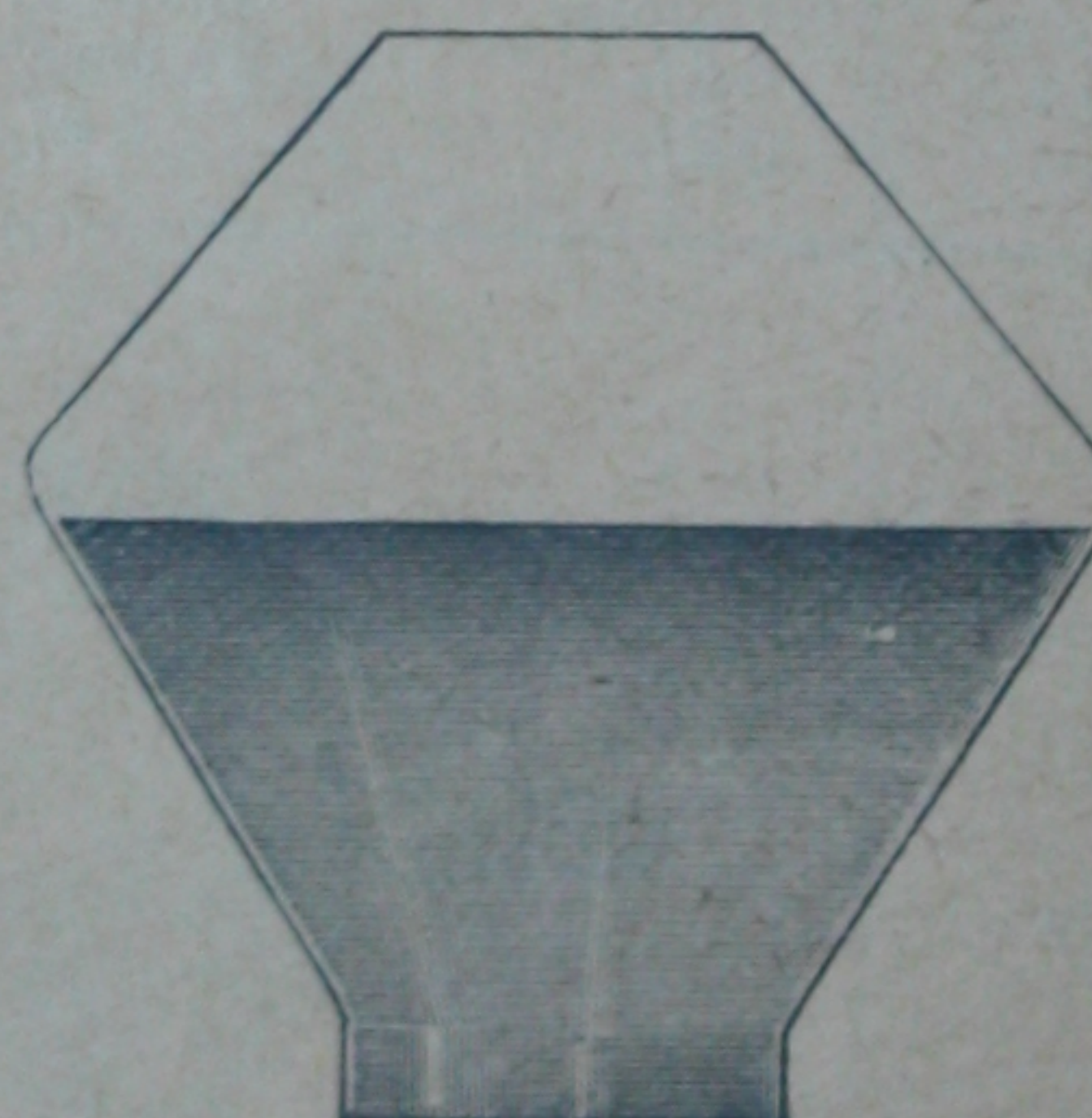
No. W1701.
Opal and Crystal
Diagonal,
12/- per doz



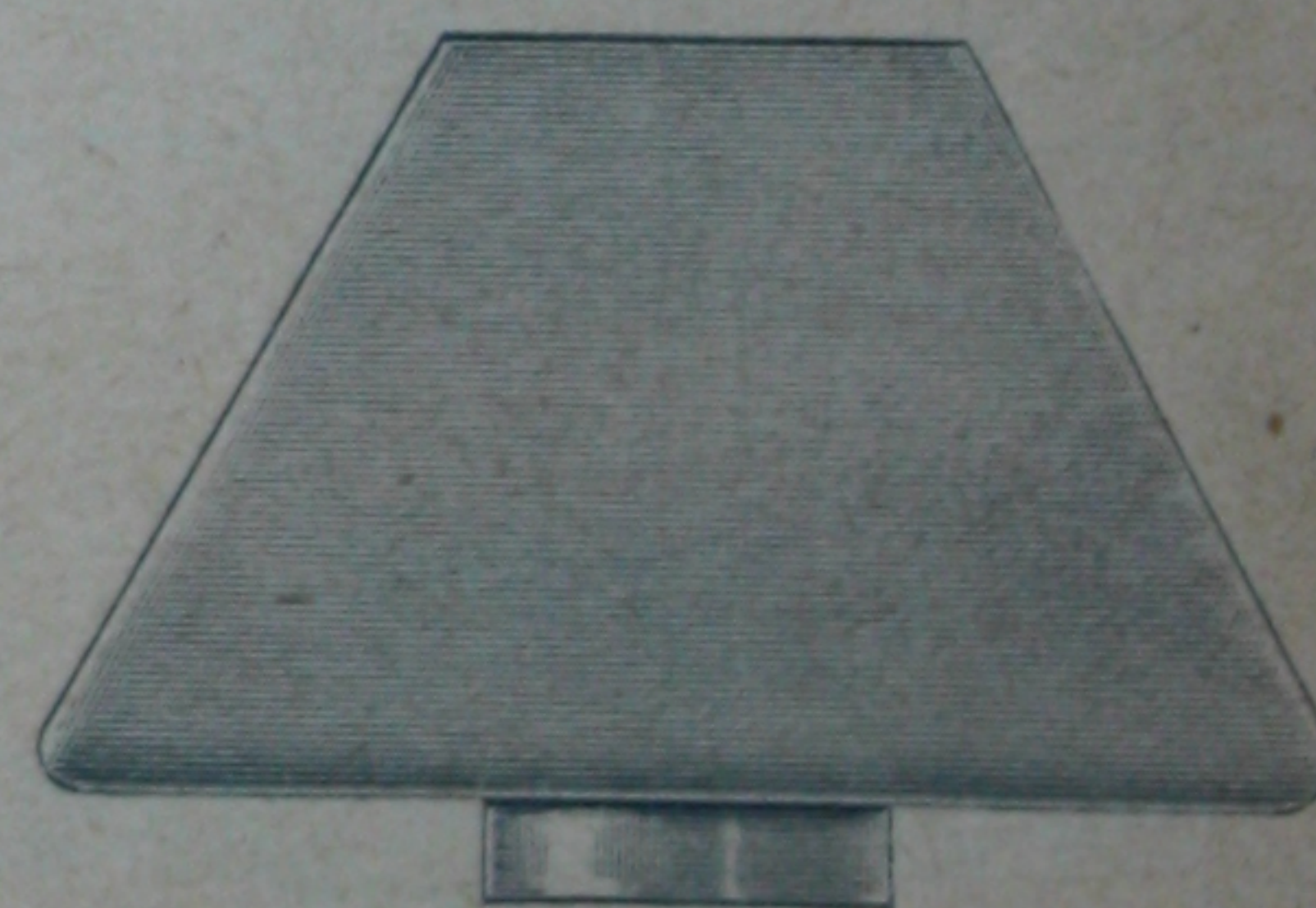
No. W1478. Opal Squat, Clear Base.
Full size, 10/- per doz.
Medium, 9/- per doz.
By case of—
Full size, 100, 9/- per doz.
Medium, 144, 8/2 per doz.



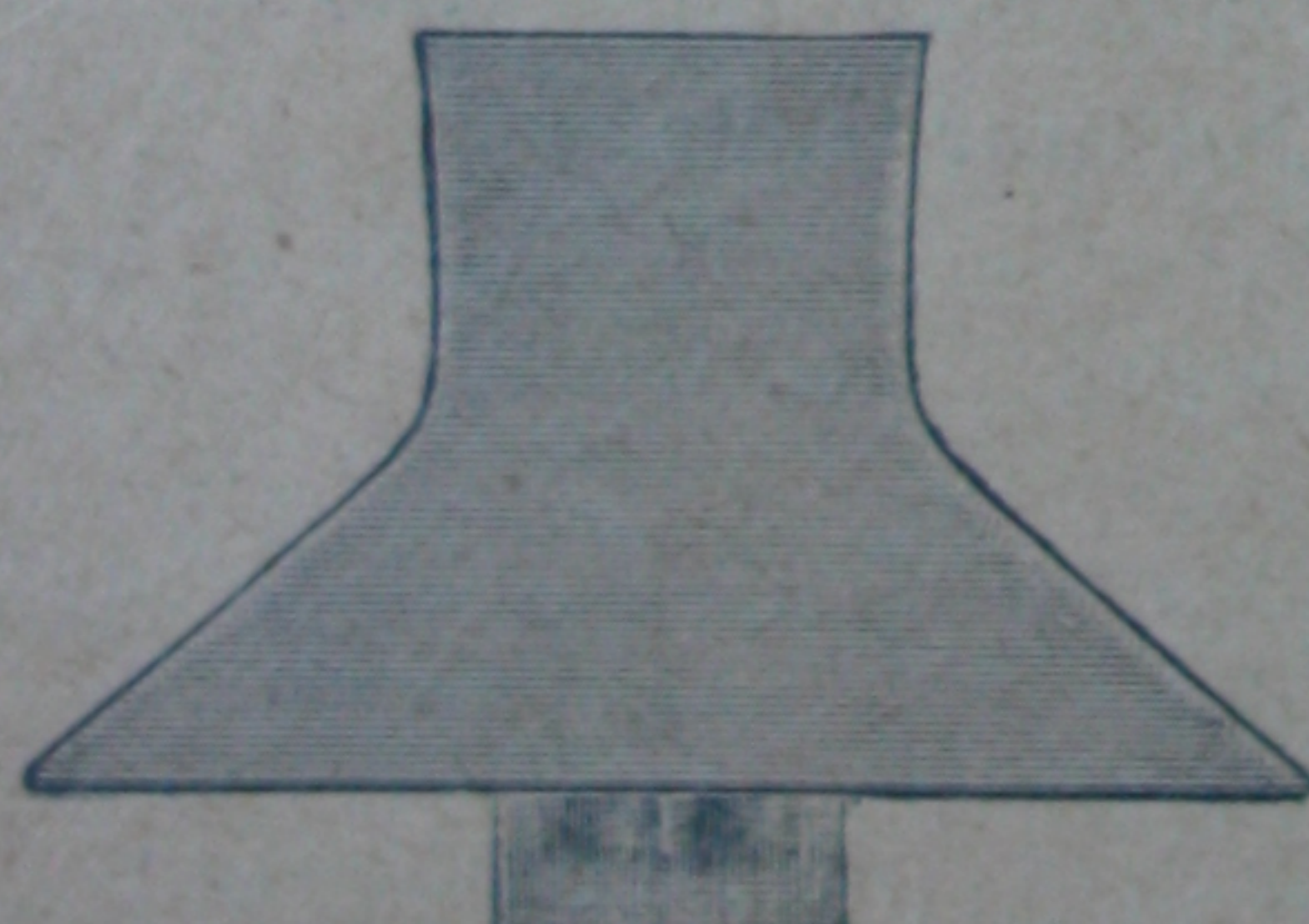
No. W1478A.
Opal Nelson, Clear Base.
12/- per doz.



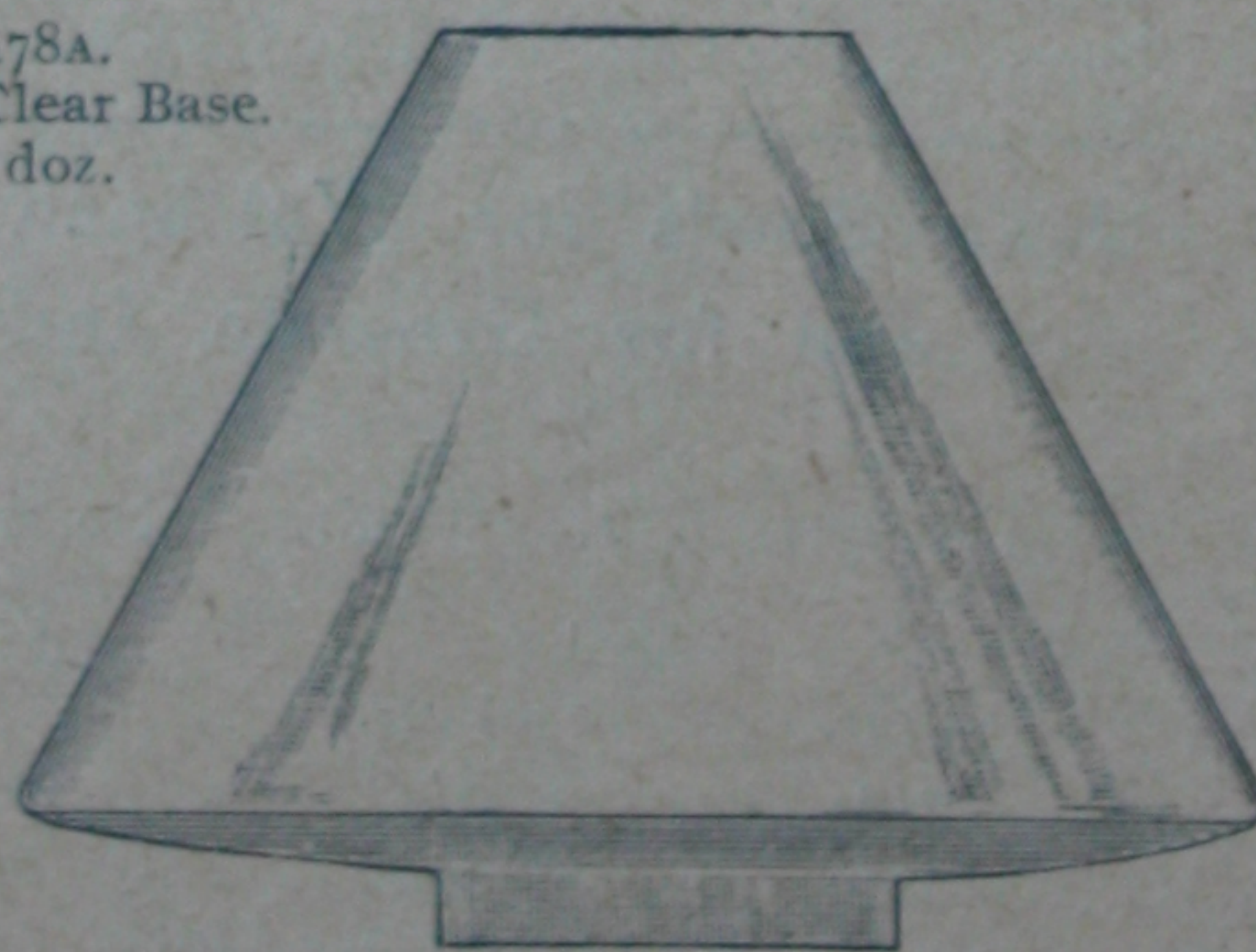
No. W1479.
Opal and Flint, Clear Base.
14/- per doz.



No. W1610.
Opal and Flint, Clear Base.
21/- per doz.
By case of 12 dozen, 18/- per doz.



No. W1612.
Opal and Flint, Clear Base.
Registered Design. 30/- per doz.



No. W1083.
Opal and Flint, Clear Base,
18/- per doz.



No. W1477. Paris Shade.
Opal and Clear Base, 27/- per doz.
By case of 24 dozen, 24/- per doz.

WELSBACH LIGHT

GLOBES FOR "C" AND "SIMPLEX" BURNERS, 2½-in. FITTINGS.



No. W1702.



No. W1703.



No. W1704.



No. W1705.



No. W1190.
Crystal Manography.
8/6 per doz.
By case of 12 doz.,
8/- per doz.

Crystal Sandblast, assorted patterns, 7/- doz., or in case lots of 12 doz. assorted at 6/3 doz.



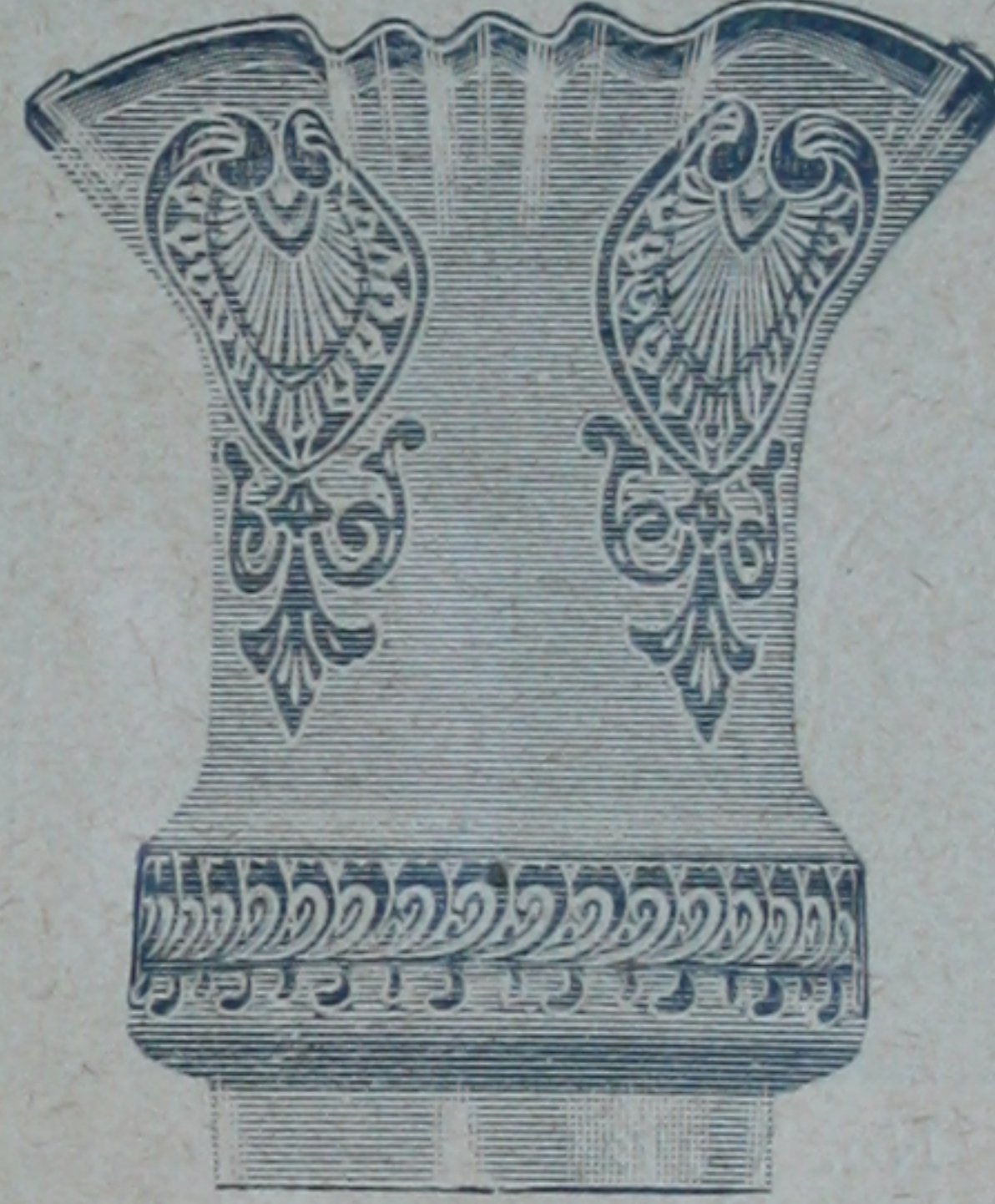
No. W1706.



No. W1707.



No. W1708.



No. W1709.



No. W1710.

Crystal Manography, assorted patterns, 8/- doz. By case of 12 doz. assorted 7/6 doz.

Superior Crystal Manography, 9/6 doz.
By case of 4 doz. each Nos. W1709, W1710, W1711, 8/6 doz.



No. W1711.
Superior Crystal Manography,
9/6 doz.



No. W1712.



No. W1713.



No. W1714.



No. W1715.

By case of 4 doz. each Nos. W1709, W1710, W1711, 8/6 doz.

Best Crystal Manography, assorted patterns, 10/6 doz. Case of 12 doz. assorted, 9/6 doz.



No. W1716.
Ruby or Green.



No. W1717.
Ruby or Green.



No. W1718.
Ruby, Green or Yellow.



No. W1719.
Ruby, Green or Yellow.



No. W1720.
Ruby or Green.

Sandblast Fluted Optic, assorted colours and patterns, 10/9 doz. By case of 18 doz., assorted patterns, 9/9 doz.

WELSBACH LIGHT

GLOBES FOR "C" AND SIMPLEX BURNERS, 2 $\frac{5}{8}$ -in. FITTING.



No. W1721.
Ruby or Green.



No. W1722.
Ruby.



No. W1723.
Green.



No. W1207.
Green Manography,
15/- per doz.



No. W1109.
Satin Finish.
White ... 14/- per doz.
Pink ... 16/- "
Ruby ... 20/- "
Yellow ... 20/- "

Coloured Manography, Special Line, 12/6 per doz.



No. W1570.
Ruby.



No. W1724.
Ruby and Green.



No. W1567.
Green.



No. W1725.
Ruby and Green.



No. W1208.
Yellow Manography.

Manography, Assorted Colours and Patterns ... 13/3 per doz.
By 12-doz. case, Assorted Colours and Patterns ... 11/3 "



No. W1726.
Green or Ruby.



No. W1727.
Green, Ruby or Yellow.



No. W1728.
Ruby or Green.



No. W1729.
Green or Ruby.



No. W1730.
6-panel Globe.
Best Manography,
Ruby, Green or Orange.
15/- per doz.

Superior Manography Fluted Optic, Assorted Patterns and Colours ... 14/6 per doz.
By case lots of 12 dozen, Assorted Patterns ... 12/9 "



No. W1575.
Aurora



No. W1576.
Yellow.



No. W1577.
Green.



No. W1578.
Ruby.



No. W1191.
Best quality Clear
Manography, Optic Fluted.
18/- per doz.

Best quality clear Manography, Optic Fluted ... 15/6 per doz.
By case of 12-doz. assorted ... 13/6 "

WELSBACH LIGHT

GLOBES FOR "C" AND "SIMPLEX" BURNERS, 2⁵/₈-in. FITTING.



No. W1731.
Crystal Etched, 15/- per doz.
Ruby or Green Etched,
17/6 per doz.



No. W1732.
Crystal Etched, 15/- per doz.
Ruby or Green Etched,
17/6 per doz.



No. W1733.
Crystal Etched, 15/- per doz.
Ruby or Yellow Etched,
17/6 per doz.



No. 1734.
Crystal Etched, 15/- per doz.
Ruby or Green Etched,
17/6 per doz.



No. W1583.
Crystal Etched,
16/- per doz.



No. W1193.
Crystal Etched,
18/- per doz.



No. W1735.
Crystal Etched,
18/- per doz.



No. W1736.
Crystal Etched, Satin Finish,
19/- per doz.
Ruby or Green ditto,
23/- per doz.



No. W1367.
Green.
Clear Optic Engraved,
15/- per doz.



No. W1584.
Ruby Etched.



No. W1585.
Ruby Etched.



No. W1586.
Green Etched.



No. W1588.
Aurora Etched.



No. W1562.
Large Flame.
Crystal 19/- per doz.
Ruby... 22/- "

Assorted Patterns and Colours, 18/6 per doz., or by 12 doz. Case Assorted Patterns and Colours, 16/6 per doz.



No. W1592.
Ruby.



No. W1593.
Ruby.



No. W1223.
Rose Etched, 21/- per doz.



No. W1226.
Rose Etched, 21/- per doz.



No. W1227.
Rose Etched, 21/- per doz.

Superior Brilliant Optic Engraved, 17/- per doz.

By Case of 12 doz., containing 4 doz. each of above, 18/6 per doz.

WELSBACH LIGHT

GLOBES FOR "C" AND "SIMPLEX" BURNERS, 2 $\frac{5}{8}$ -in. FITTINGS.



No. W1196.
Ruby Etched.
2/1= per doz.



No. W1199.
Green Etched.
21/= per doz.



No. W1201.
Aurora Etched.
21/= per doz.



No. W1202.
Green Etched.
21/= per doz.



No. W1204.
Crystal Etched 18/= doz.
Moss Green,, 21/= ,,

By Case of 12 dozen assorted, 18/6 per dozen.



No. W1206.
Crystal Etched 18/= doz.
Pink ,, 21/= ,,



No. W1590. Ruby.



No. W1591. Green.



No. W1203.
Ruby Tinted Moulded.
24/- per doz.



No. W1589.
Cut Star.
Crystal Etched 24/= doz.
Ruby ,, 30/= ,,



No. W1152.
Etched Crystal - 24/= doz.
Ditto Tinted
Ruby, Aurora, 30/= ,,
Green, or Yellow



No. W1472.
Vine, Salmon Opal Cut.
48/- per doz.



No. W1473.
Goodwood, Etched White 30/- doz.
,, Pink 33/- ,,



No. W1475. doz.
Harrow, Etched White 27/-
,, Salmon 30/-



No. W1474.
Thames, Opal Cut.
36/- per doz.

FINEST ENGLISH GLASS.



No. W1089.
Aurora Etched.
30/= per doz.



No. W1091.
Peacock Blue Etched.
30/= per doz.



No. W1090.
Crystal Etched.
30/= per doz.



No. W1651.
Satin Finish Opalescent.
24/- per doz.



No. W1650.
Etched Opalescent,
Satin Finish,
40/- per doz.

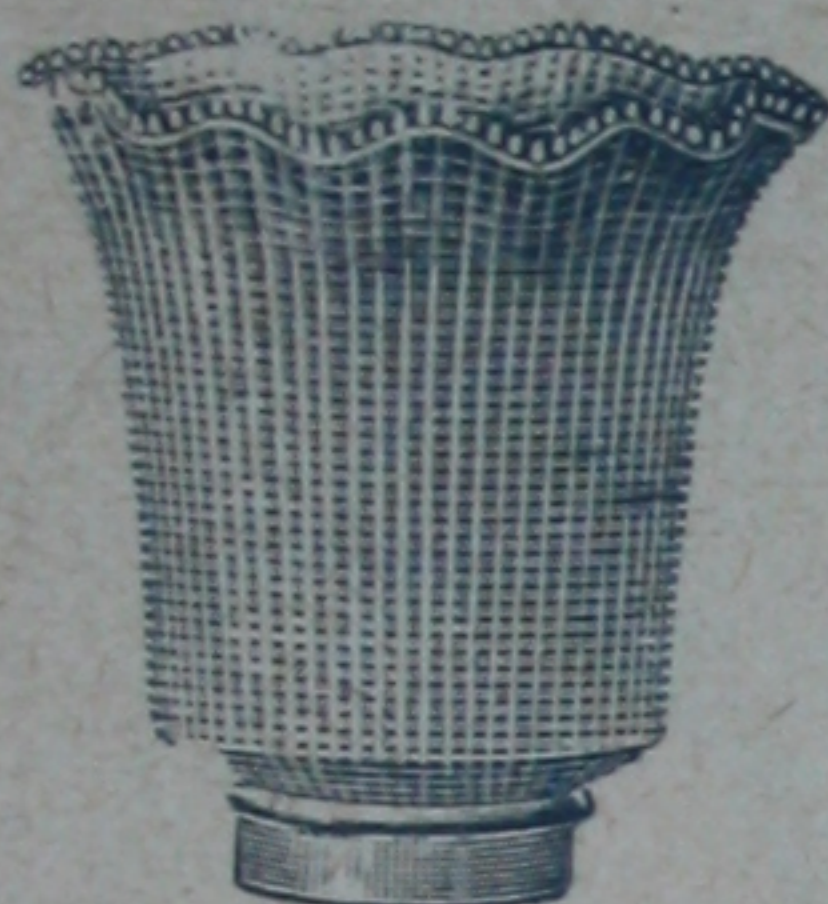


"HOLOPHANE" LIGHT DIFFUSING GLOBES.

IN ORDERING, THE PATTERN NUMBER ONLY NEED BE GIVEN.



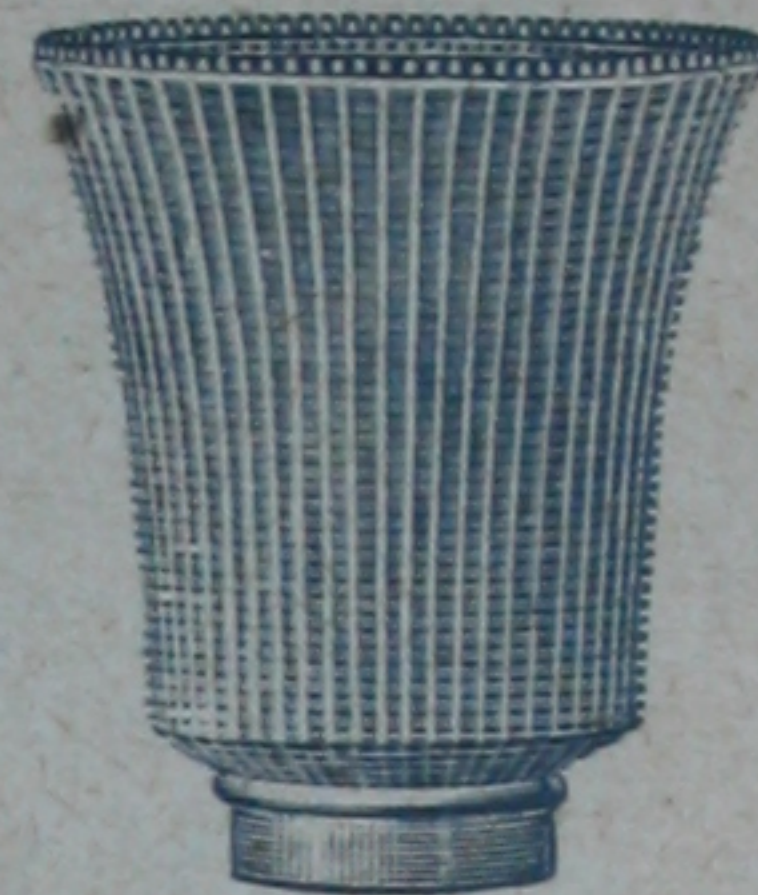
For "C" Burner.
No. W38 Class A 32/- doz.



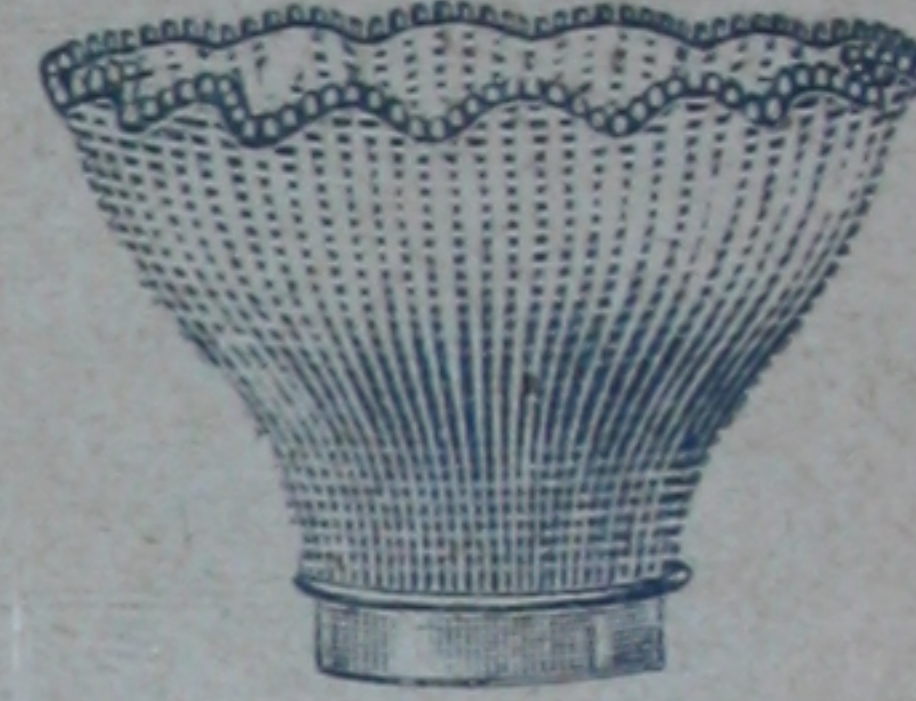
For "C" Burner.
No. W392 Class B 48/- doz.
" W393 " C 48/- "



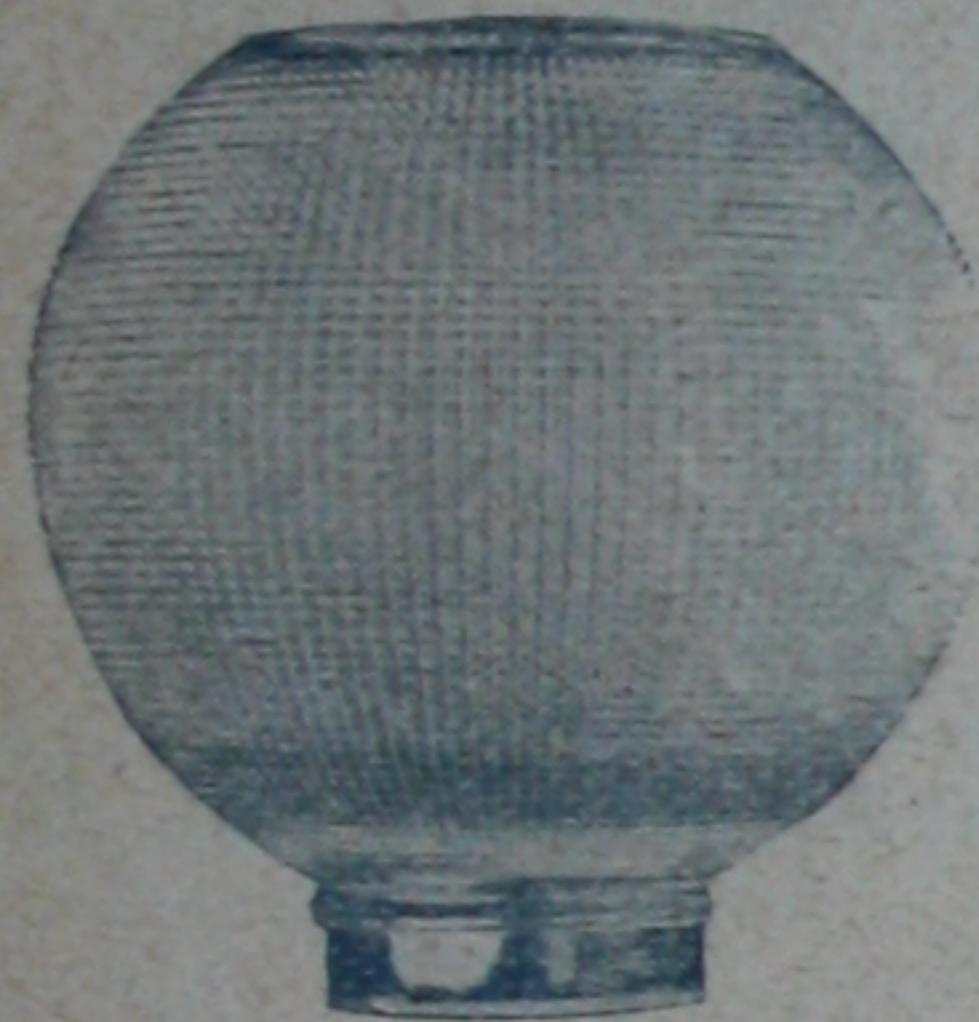
For "C" Burner.
No. W381 Class B 44/- doz.



For "C" Burner.
No. W390 Class C 48/- doz.
" W391 " B 48/- "



For "C" Burner.
No. W137 Class A 44/- doz.



For "C" Burner.
No. W311 Class B 60/- doz.



Eye Screen for "C"
Burner.
No. W23 Class A 21/4 doz.



For "C" Burner.
No. W139 Class A 56/- doz.
For No. 4 Kern Burner.
No. W1390 Class A 56/- doz.



For "C" Burner.
No. W11C Class C 32/- doz.



For Kern No. 4
Burner.
No. W3700 Class C
56/- doz.

Globes in Class A throw the strongest light directly underneath the burner, those in Class B in all directions below the horizontal, and in Class C a little below the horizontal.

"HOLOPHANE" REFLECTORS.

For INVERTED Burners.

These new types of **Holophane Reflectors**, for use with Inverted Gas-Burners, form a perfect combination from the point of view of efficiency and appearance. The Reflectors are designed to eliminate the intense glare of the mantle, at the same time distributing the light in a predetermined direction.

Holophane Glass has that special translucency and brilliancy necessary for Optical work, ensuring low absorption and efficient results. The effective illumination is greatly increased by the re-directed light, otherwise wasted upon walls and ceilings, whilst sufficient light passes through the Reflectors to illuminate the upper part of the room, without resulting heavy shadows.

The metal collar which forms part of the Reflector eliminates risk of breakage.



Extensive Type.

For Sideway Illumination,
No. W1737.
3⁷/₁₆ in. Fitting, Depth 4 in., Width 7 in.
48/- per doz.
No. W1737A.
3¹/₄ in. for Graetzin Fitting,
Depth 4 in., Width 7 in.
48/- per doz.



Intensive Type.

For General Illumination.
No. W1738.
3⁷/₁₆ in. Fitting, Depth 4 in., Width 7³/₄ in.
48/- per doz.
No. W1738A.
3¹/₄ in. for Graetzin Fitting,
Depth 4 in., Width 7³/₄ in.
48/- per doz.



Focussing Type.

For Concentrated Illumination.
No. W1739.
3⁷/₁₆ in. Fitting, Depth 4 in., Width 8 in.
48/- per doz.
No. W1739A.
3¹/₄ in. for Graetzin Fitting,
Depth 4 in., Width 8 in.
48/- per doz.

It is recommended that these Reflectors are used with a half-obscured inner bulb chimney, obscuring the Incandescent Mantle from view. These Reflectors may be obtained upon request with plain edge at the same price.

The **Extensive** type gives maximum illumination at an angle of 45° and is very effective for lighting moderate-sized offices, rooms, halls, etc., where a single light or group of lights are centrally located.

The **Intensive** type does not distribute the light to such a wide degree. It is more suitable for general illumination where more than one light is employed placed at a distance apart approximately equal to their height, as in the case of the two-light pendants which are in common use over counters, etc.

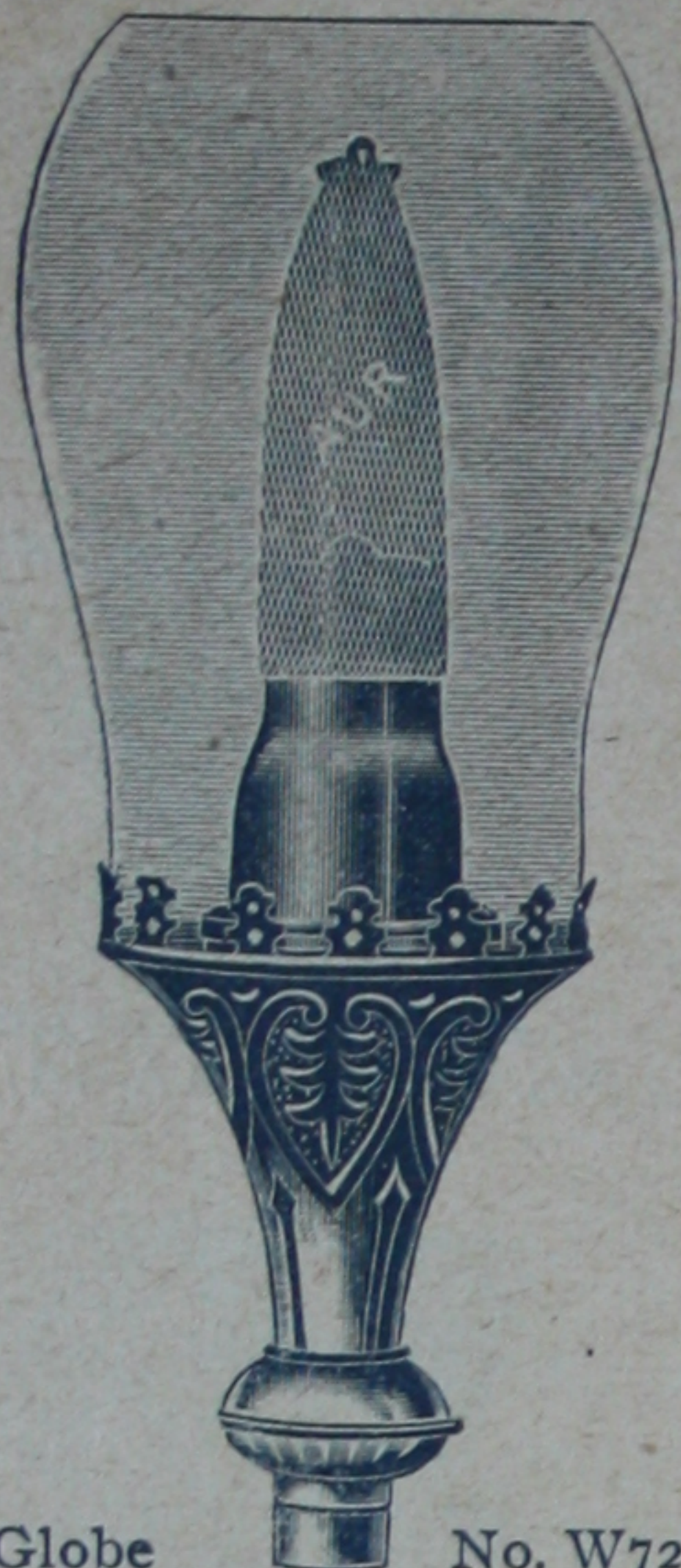
The **Focussing** type concentrates the light strongly in the downward direction, and it is designed for the illumination of shop windows desks, etc. These Reflectors are most suitable for illuminating large rooms, halls, etc., where the lights are placed high up, the area strongly illuminated being a circle, the diameter of which is half the height of the light source above the plane of illumination.

WELSBACH LIGHT

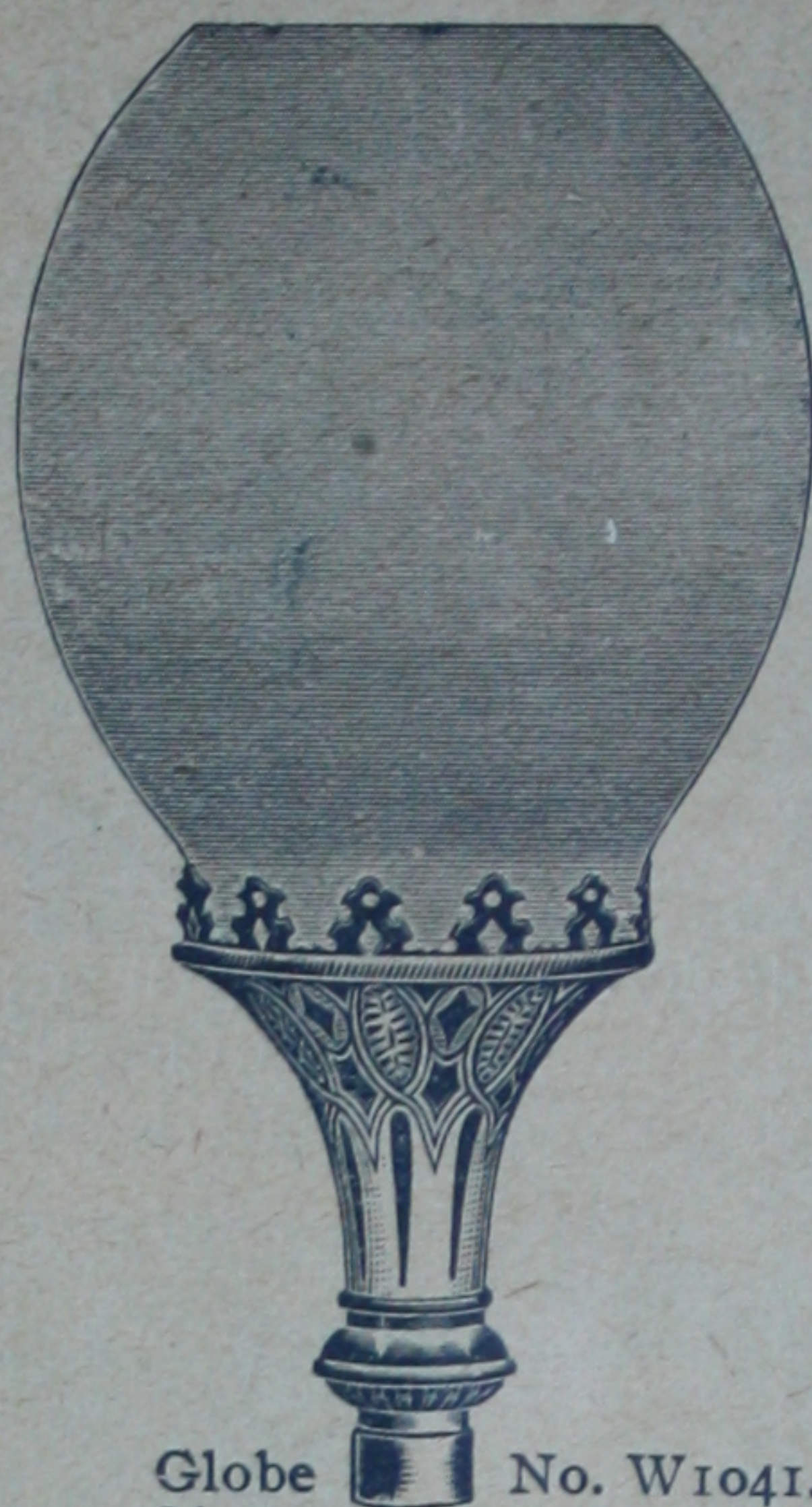
PRICES FOR
GLOBES ONLY.

Globes for Welsbach-Kern Burner, No. 4.

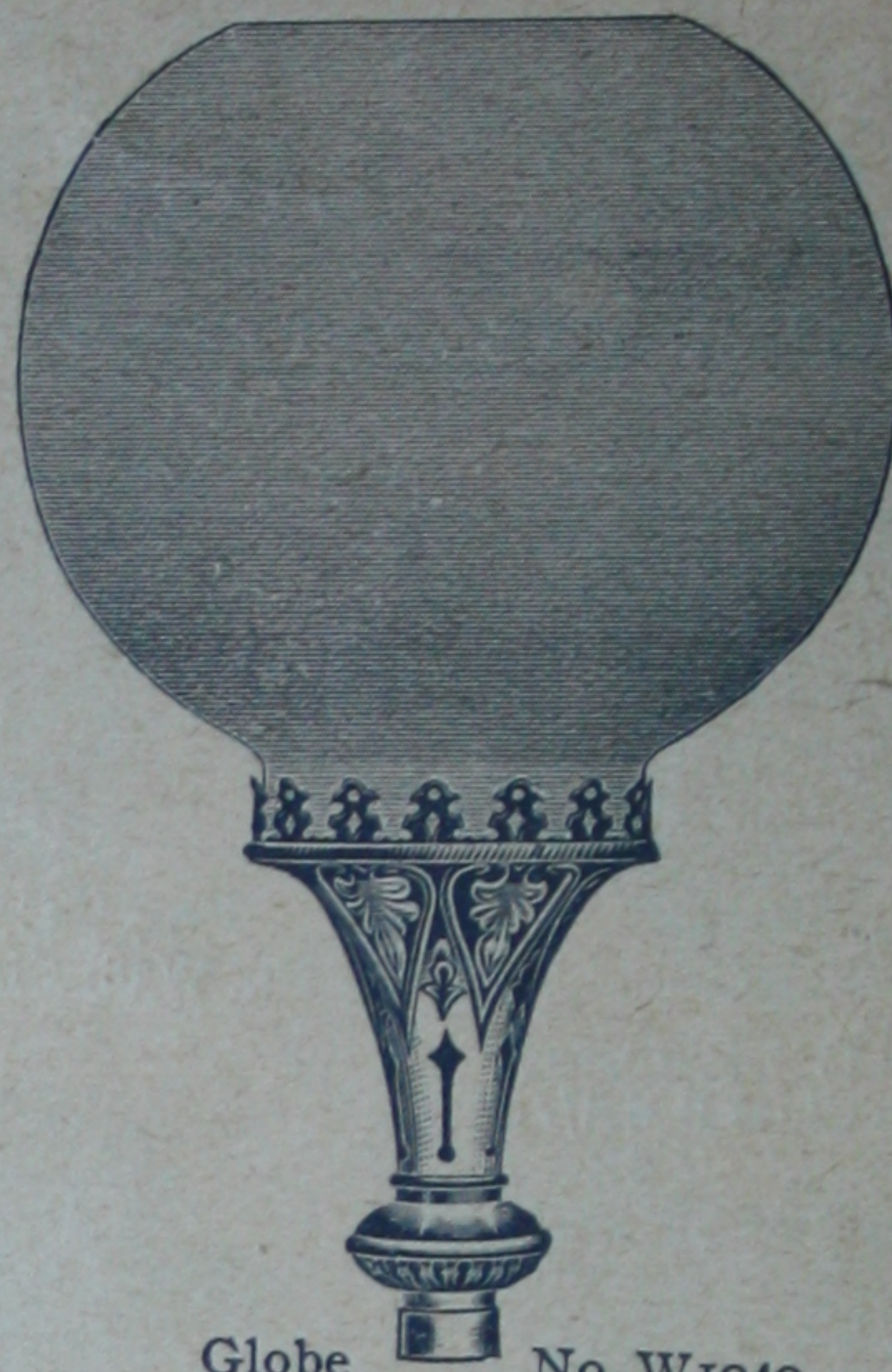
PRICES FOR
GLOBES ONLY.



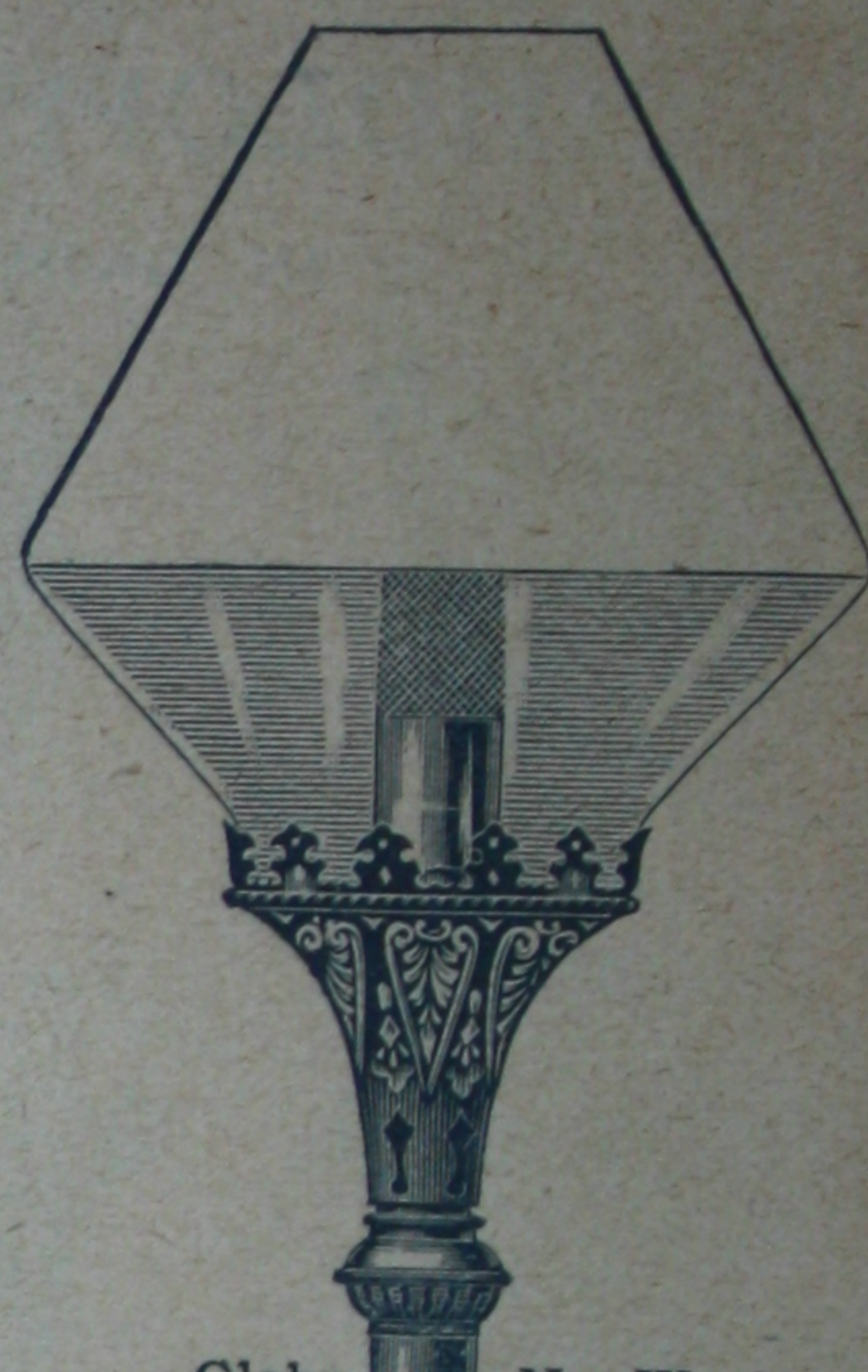
Globe No. W72/4.
Clear Glass ... 6/- doz.
Obscured or Opalescent, 7/6 "
In original cases of 300,
52/- per gross.
No. W72 for No. 7 Burner, 24/- doz.



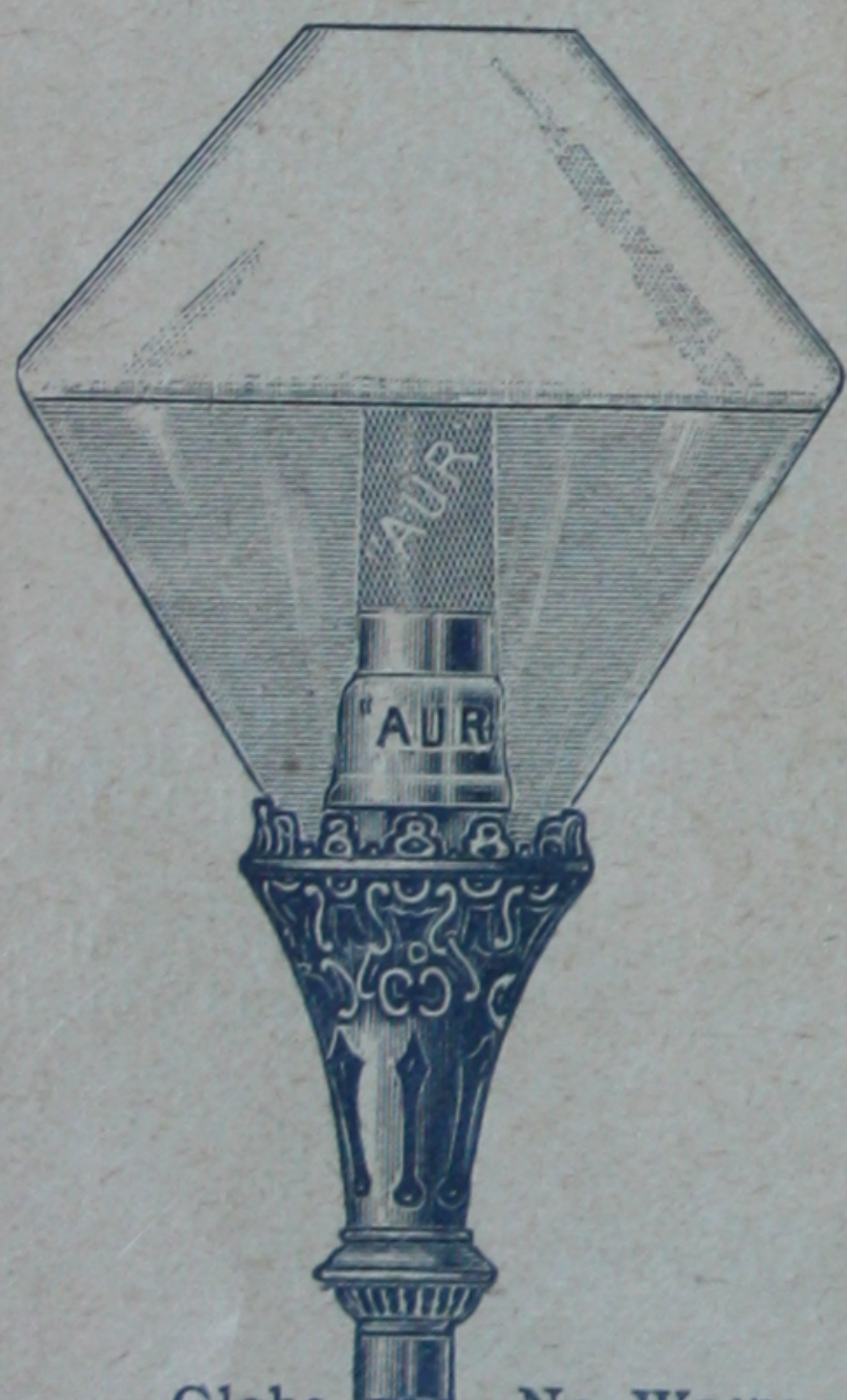
Globe No. W1041.
Obscured, 9/6 doz.



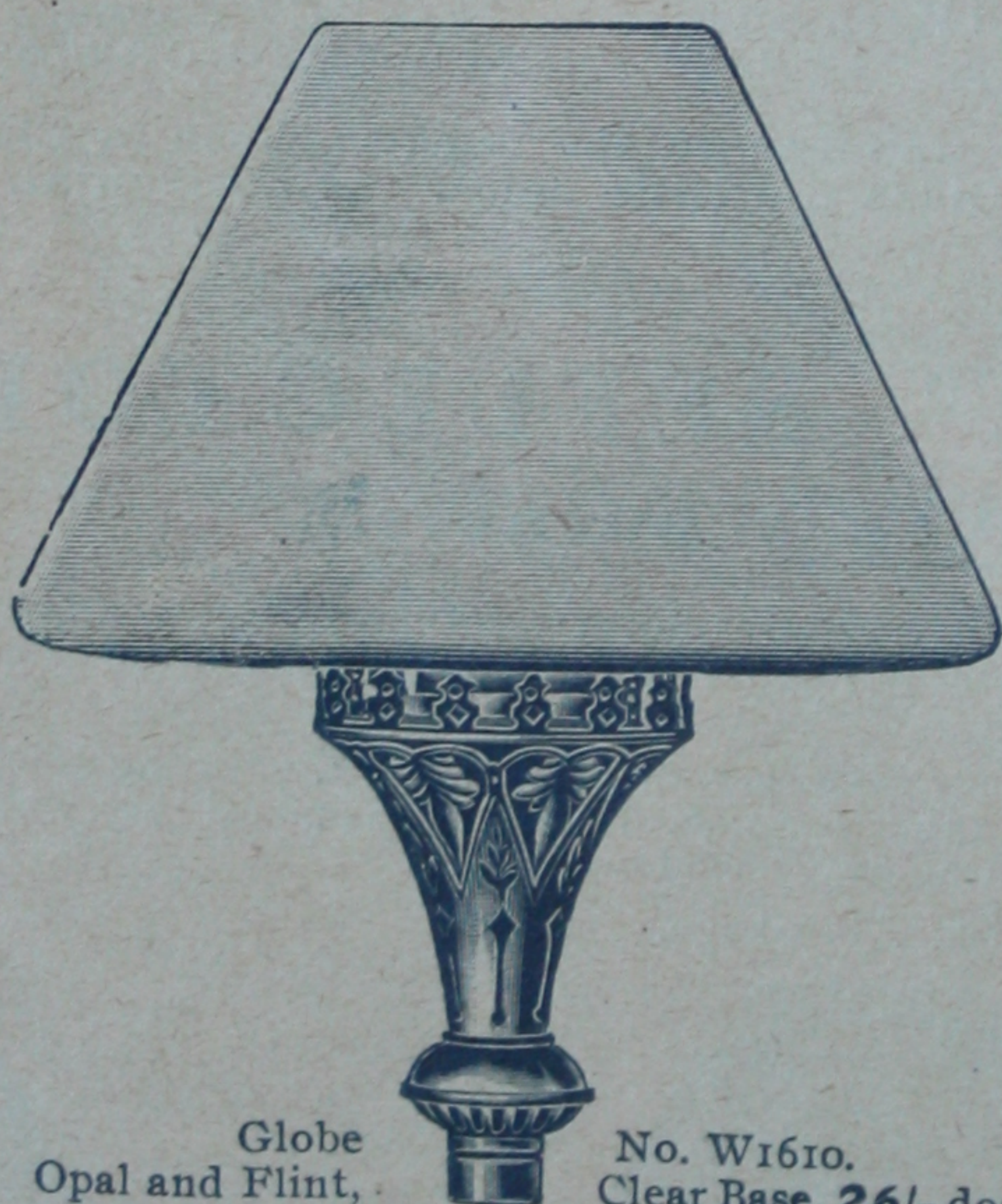
Globe No. W1040.
Comet, obscured,
10/6 doz.
Specially recommended for
Church Lighting.



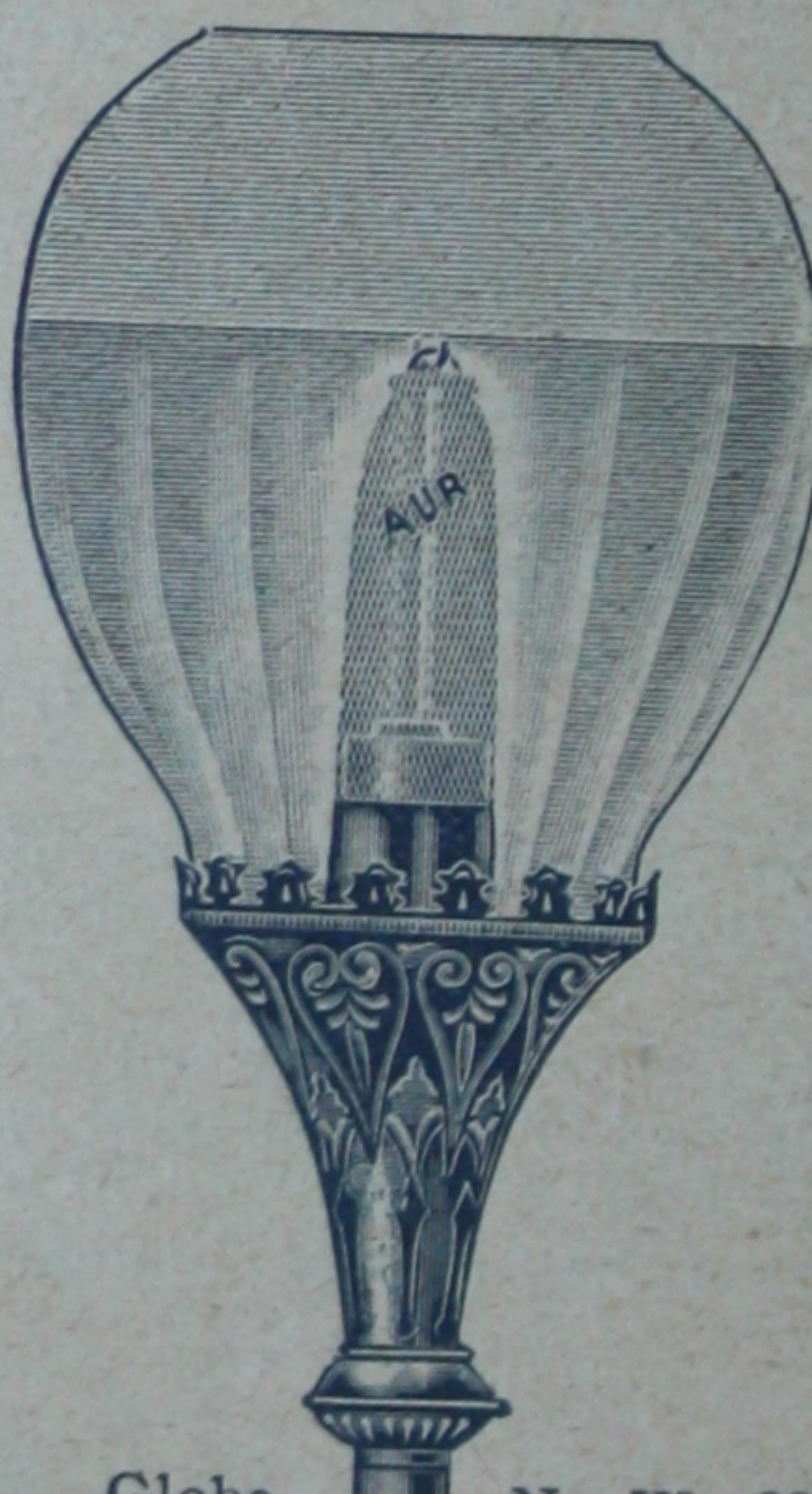
Globe No. W71/4.
Opal and Flint Squat Globe, 16/- doz.



Globe No. W1479.
Opal and Flint, 20/- doz.



Globe No. W1610.
Opal and Flint,
Clear Base, 26/- doz.



Globe No. W1388.
Opal and Flint Optic,
21/- doz.



Globe No. W1054.
Crystal, Etched, 24/- doz.



Globe No. W81.
Etched Globe, bold.
Splendid effect for Public House
Windows, etc.
Crystal, 28/- doz. Rose Tint, 32/- doz.



Globe No. W27.
Ruby, Engraved, 36/- doz.
Amber " 36/- "



Globe No. W1043.
Crystal, Etched,
60/- doz.



Globe No. W1045.
Crystal, Etched, 44/- doz.

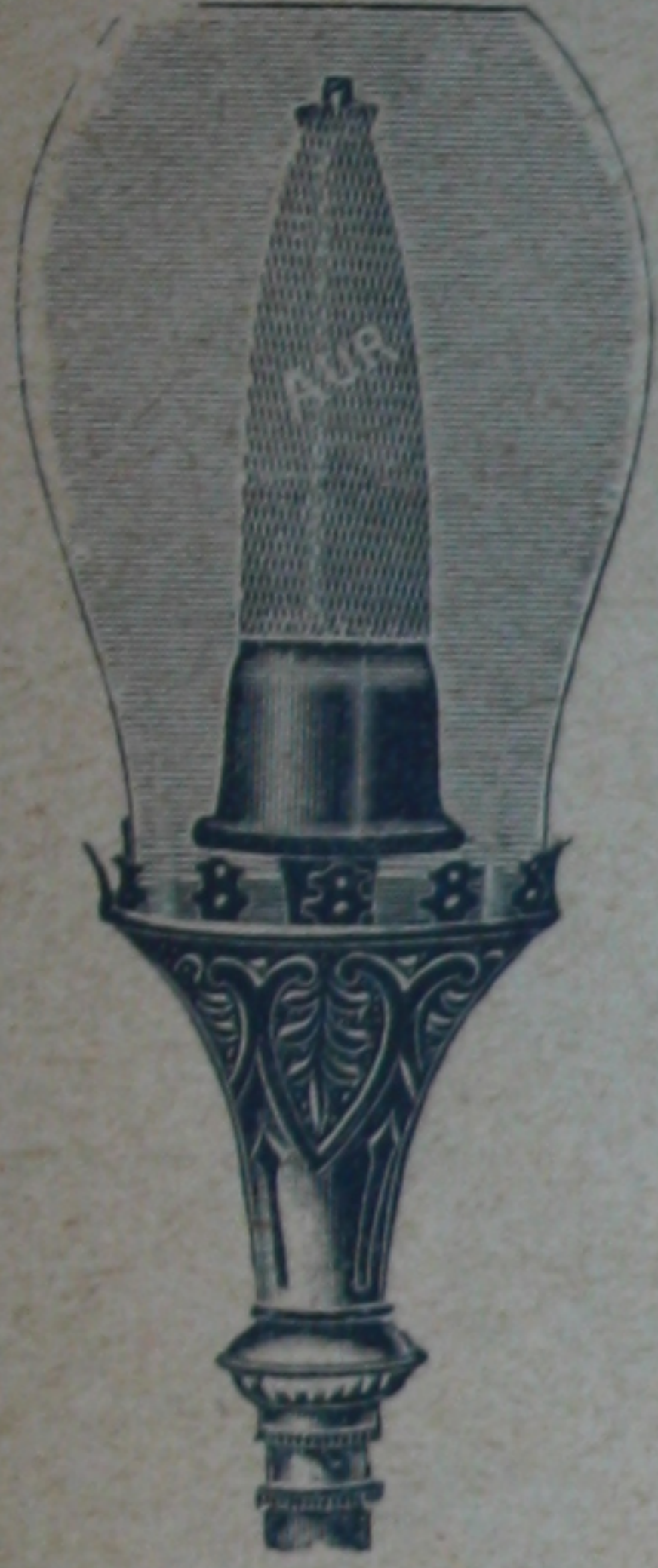
WELSBACH LIGHT

Prices for
Globes only.

Globes for Welsbach-Kern Burners, Nos. 2 and 3.

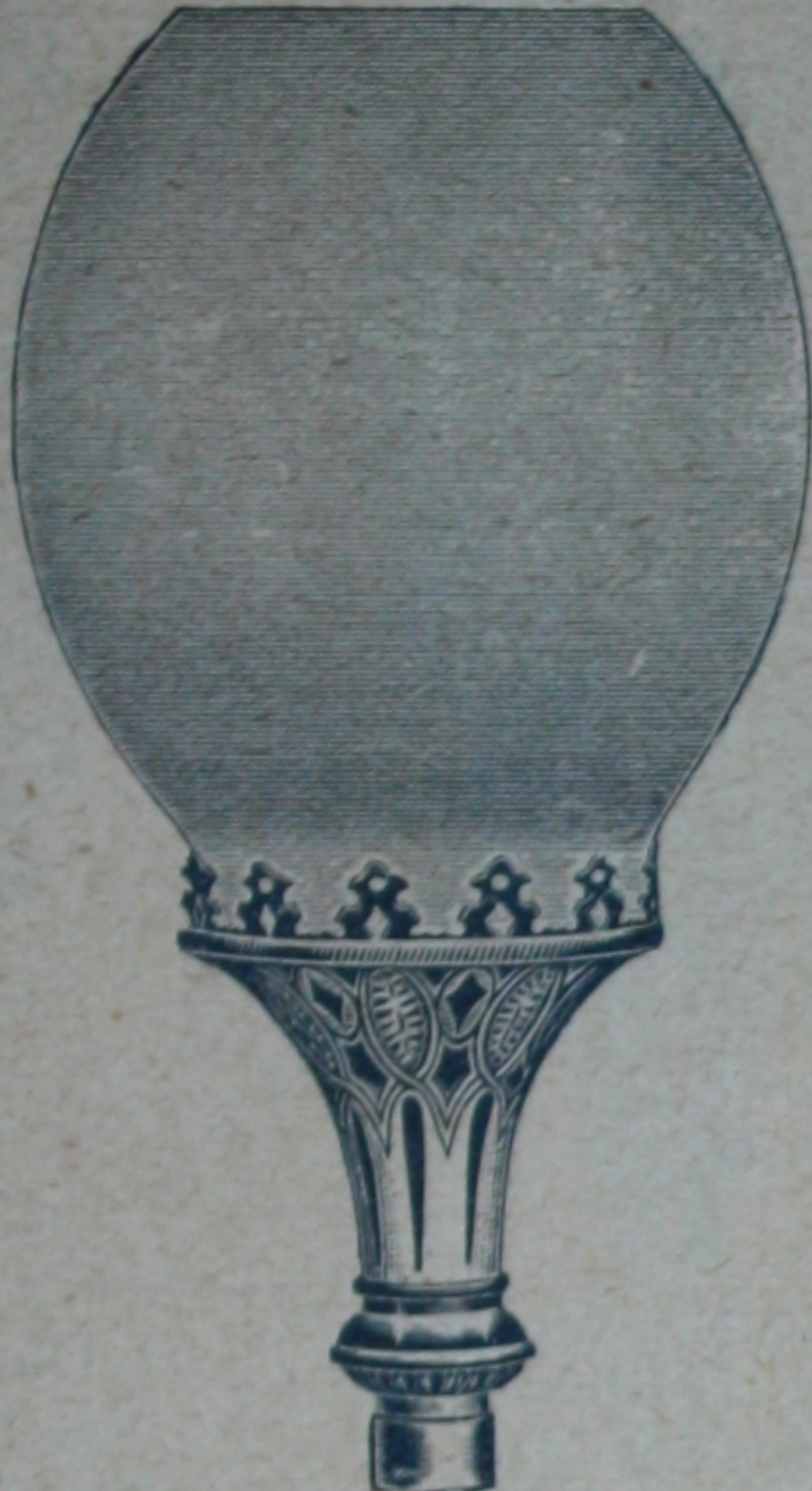
Prices for
Globes only.

No. 2. 4½ in. high, 2½ in. top.
No. 3. 5½ in. high, 2½ in. top.



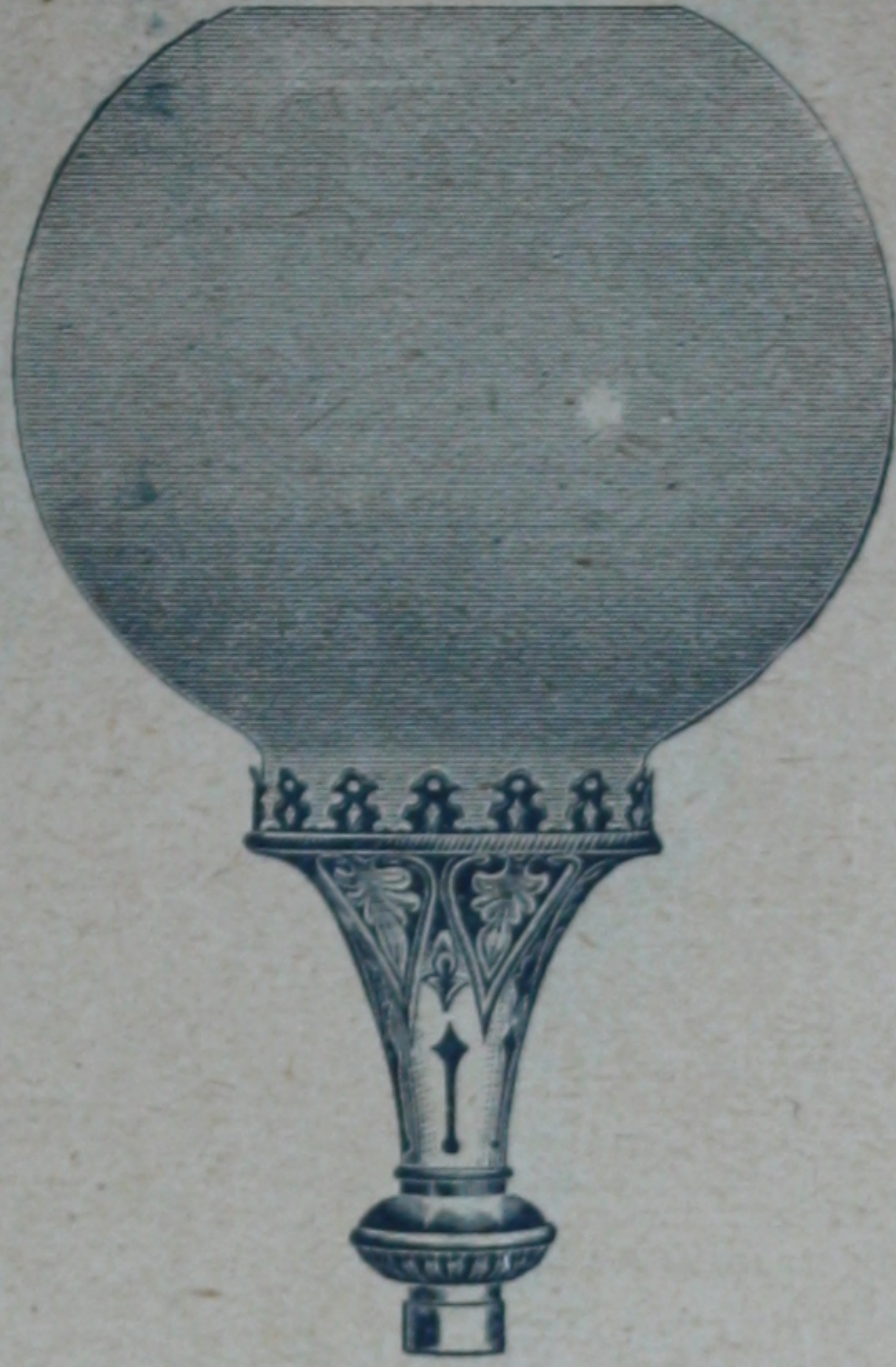
Globe No. W72.

Loose. Case of 2 gross.
No. 2 Clear, 3/6 doz. 40/- gross.
No. 3 Clear, 4/4 " 45/- "
Loose.
No. 2 or 3 Opalescent, 4/6 doz.
No. 3 only, Obscured 4/6 "



Globe No. W1041.

Nos. 2 and 3.
Obscured, 8/- per doz.



Globe No. W1040.
Nos. 2 and 3 Comet.
Obscured, 9/6 per doz

No. 2. 5½ in. high, 3½ in. top.
No. 3. 6½ in. high, 3½ in. top.



Globe No. W71.
Opal and Flint Squat
Loose. Case of 12 doz.
No. 2. 9/6 doz. 8/6 doz.
No. 3. 10/- " 9/- "

No. 2. 5½ in. high, 3½ in. top.
No. 3. 6½ in. high, 3½ in. top.

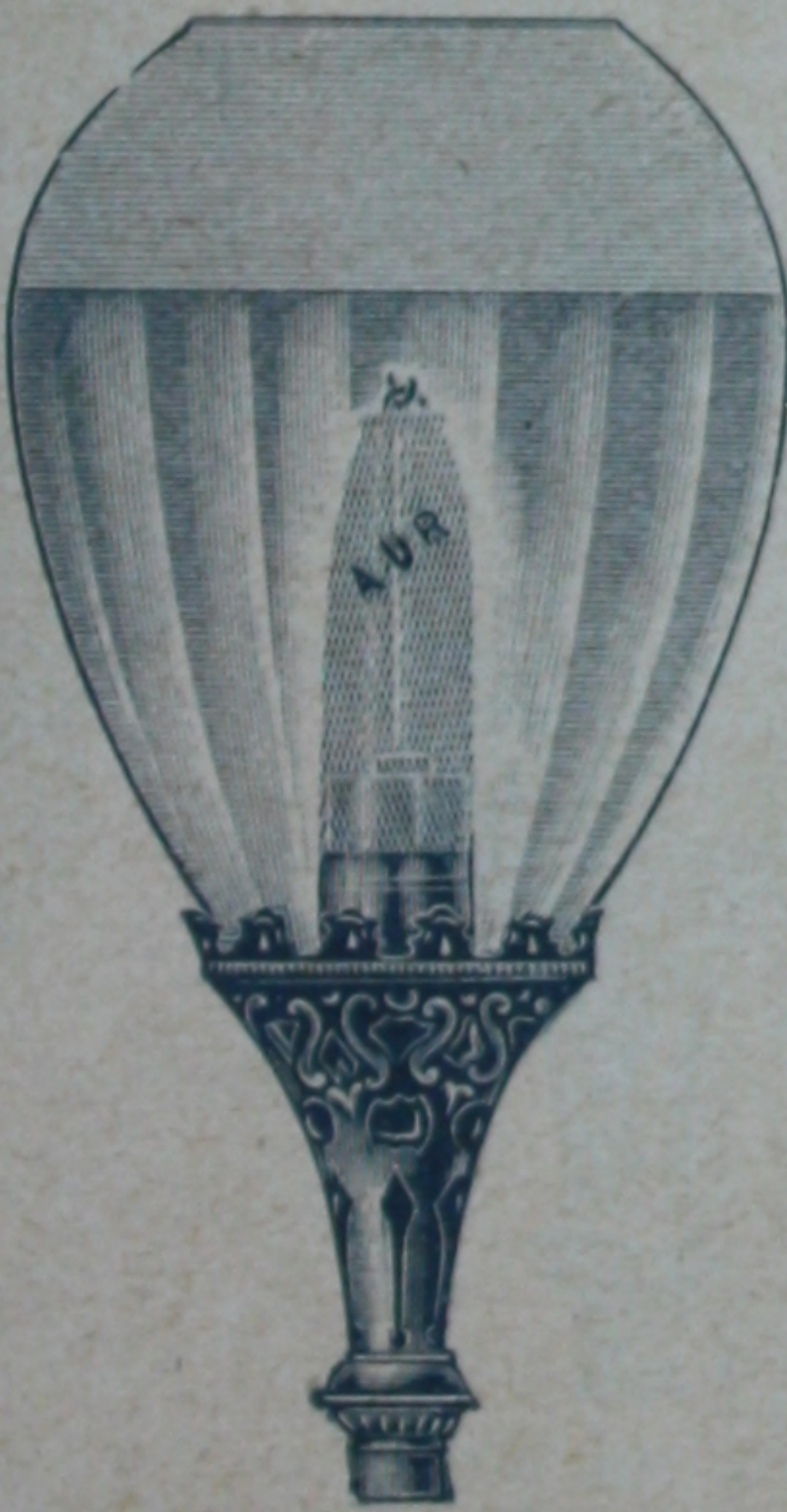


Globe No. W70.
Opal and Flint Dome.
Loose. Case of 1 gross.
No. 2. 8/6 doz. 7/6 doz.
No. 3. 9/- " 8/- "



No. W1401.

Opal and Flint, Optic,
10/6 doz.



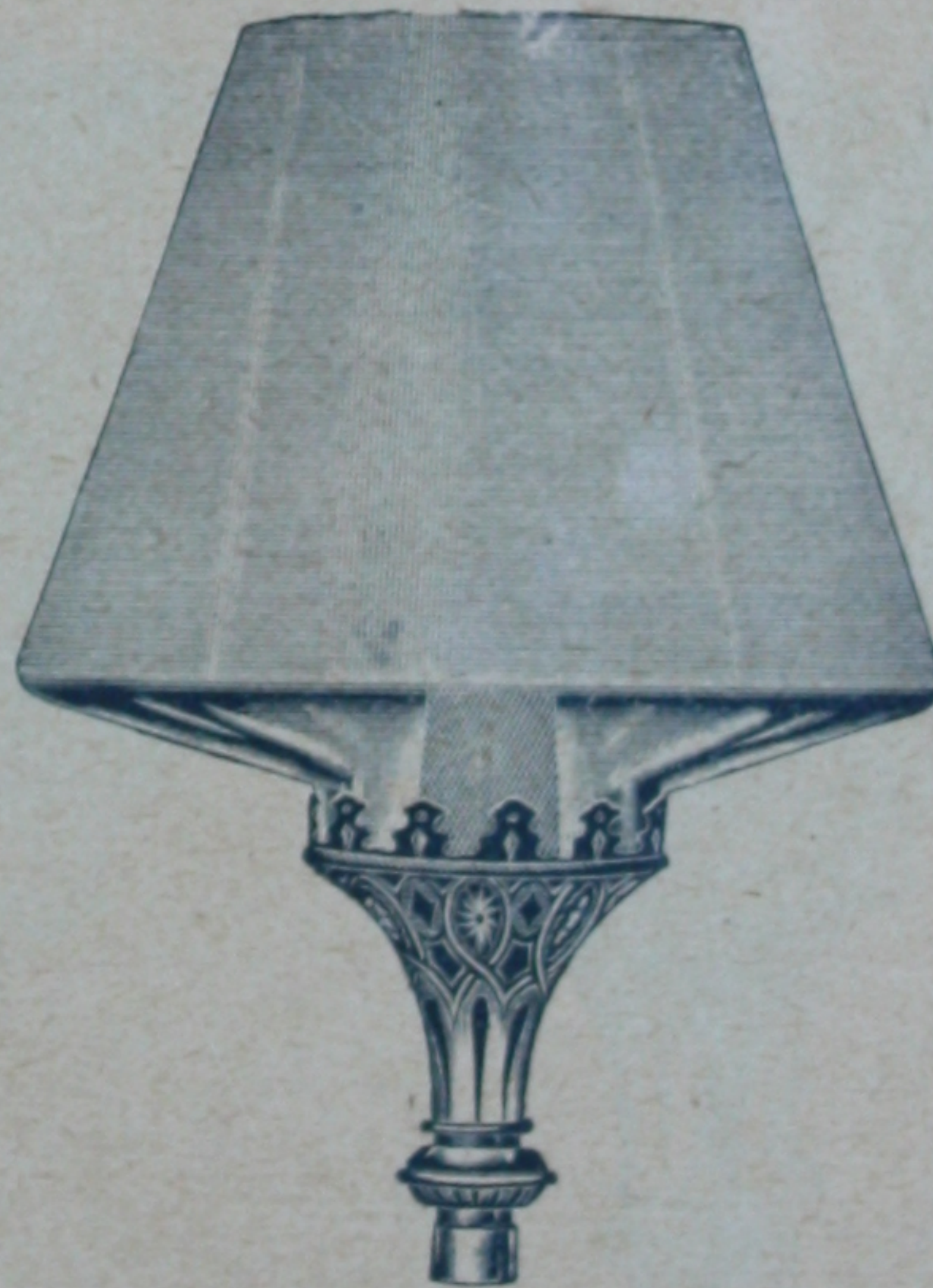
No. W1388.

Opal and Flint, Optic,
13/6 per doz.



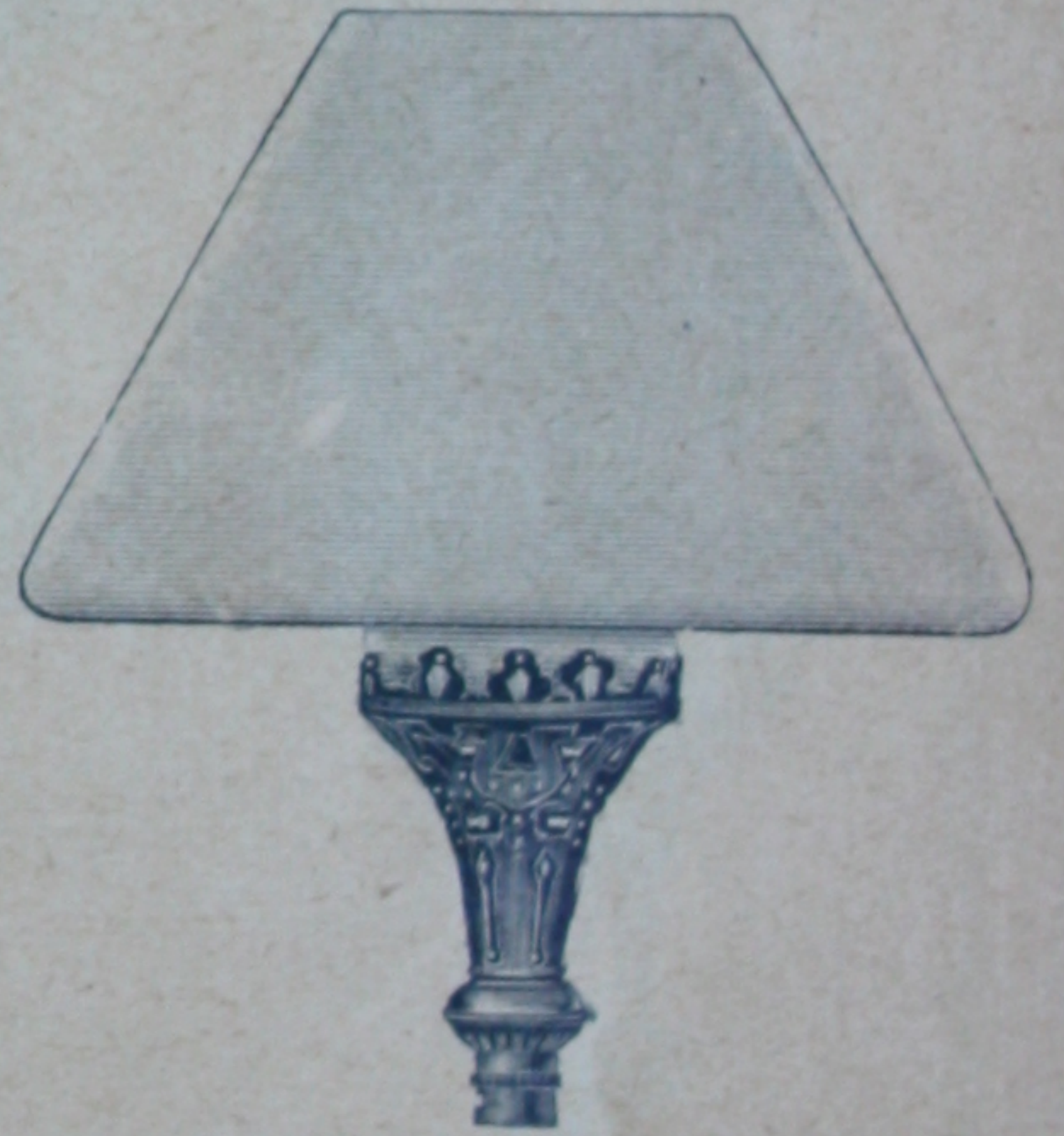
No. W1479.

Opal and Flint, 12/9 per doz.



No. W1083 Wide Base Squat Opal,
clear base ... 18/- per doz.

No. W1084 Wide Base Squat Pink
Opal, pink base 42/- per doz.



No. W1610.

Opal and Flint, Clear Base,
20/- per doz.



Globe No. W1190.

Crystal Manography,
8/6 per doz.



Globe No. W1208.

Yellow Manography, 15/- per doz.



Globe No. W1207.

Moss Green Manography,
15/- per doz.



Globe No. W1191.

Ruby Manography,
18/- per doz.



Globe No. W1058.

Crystal Etched,
10/- per doz.

WELSBACH LIGHT

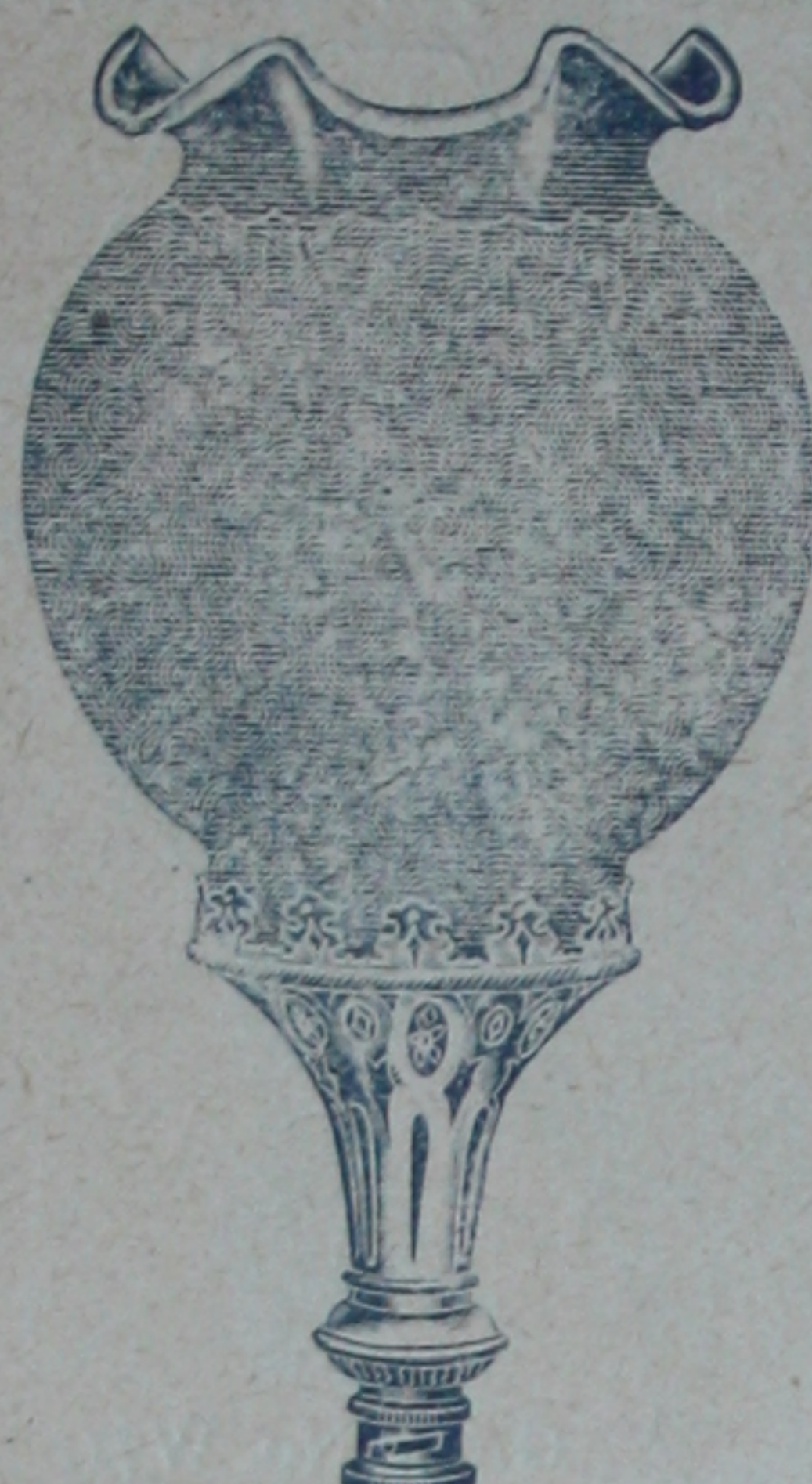
Prices for
Globes only.

Globes for Welsbach-Kern Burners No. 2 and 3.

Prices for
Globes only.



Globe No. W1048.
Crystal Etched,
10/- per doz.



Globe No. W1045.
Crystal Etched,
15/- per doz.



Globe No. W1142
Crystal Etched
15/- per doz.
Yellow etched,
18/- per doz.



Globe No. W1143.
Crystal Etched,
15/- per doz.
Ruby, Green, Aurora, or
Yellow Etched,
18/- per doz.



Globe No. W1144.
Crystal Moulded and
Etched, 15/- per doz.
Yellow Moulded and
Etched, 18/- per doz.



Globe No. W62.
Crystal ... 16/- per doz.
Rose ... 20/- per doz.



Globe No. W1057.
Crystal Etched, 18/- per doz.



Globe No. W1060.
Crystal Etched, 18/- per doz.



Globe No. W1192.
Crystal Etched, 18/- per doz.



Globe No. W1193.
Crystal Etched, 18/- per doz.



Globe No. W1204.
Crystal Etched, 18/- per doz.
Moss Green " 21/- per doz.



Globe No. W1205.
Crystal Etched, 18/- per doz.
Aurora " 21/- per doz.



Globe No. W1206.
Crystal Etched, 18/- per doz.
Pink " 21/- per doz.



Globe No. W1220.
Crystal Etched,
18/- per doz.



Globe No. W1221.
Crystal Etched,
18/- per doz.

WELSBACH LIGHT

PRICES FOR
GLOBES ONLY.

Globes for Welsbach-Kern Burners Nos. 2 & 3.

PRICES FOR
GLOBES ONLY.



No. W1386.
Etched, Crystal,
18/- per doz.



No. W1387.
Etched, Crystal,
18/- per doz.



No. W1377.
Etched, Crystal,
18/- per doz.



No. W1378.
Etched, Crystal,
18/- per doz.



No. W1372.
Etched and Engraved,
Crystal, 18/- per doz.



No. W1384.
Etched, Crystal,
18/- per doz.



No. W1385.
Etched, Crystal,
18/- per doz.



Globe No. W1141.
Yellow, Etched,
18/- per doz.



No. W1195.
Ruby, Etched,
18/- per doz.



No. W1196.
Ruby, Etched,
18/- per doz.



Globe No. W1198.
Ruby, Etched,
18/- per doz.



Globe No. W184.
Crystal, Etched,
20/- per doz.



Globe No. W1042.
Crystal, Engraved,
20/- per doz.



Globe No. W64.
Crystal, Etched,
20/- per doz.
Rose, Etched,
22/6 per doz.



Globe No. W1064.
Aurora, Etched, 20/- per doz.

WELSBACH LIGHT

GLOBES FOR WELSBACH-KERN BURNERS Nos. 2 & 3.

Prices for
Globes only.

Prices for
Globes only.



Globe No. W1199.
Green, Etched, 21/- doz.



Globe No. W1200.
Green, Etched, 21/- doz.



Globe No. W1201.
Aurora, Etched, 21/- doz.



Globe No. W1202.
Green, Etched, 21/- doz.



Globe No. W1203.
Ruby Tinted, Moulded,
21/- doz.



Globe No. W1222.
Reseda Tinted, Etched,
21/- per doz.



Globe No. W1223.
Reseda Tinted, Etched,
21/- per doz.



Globe No. W1224.
Yellow Tinted, Etched,
21/- per doz.



Globe No. W1226.
Rose Tinted, Etched,
21/- per doz.



Globe No. W1227.
Rose Tinted, Etched,
21/- per doz.



No. W1367.
Engraved, Green,
21/- per doz.



No. W1368.
Engraved, Ruby,
21/- per doz.



No. W1379.
Etched, Absinthe Green,
21/- per doz.



No. W1380.
Etched, Yellow,
21/- per doz.



No. W1381.
Etched, Green,
21/- per doz.

WELSBACH LIGHT

Prices for
Globes only.

GLOBES FOR WELSBACH-KERN BURNERS Nos. 2 & 3.

Prices for
Globes only.



No. W1382.
Etched, Aurora, 21/- doz.



No. W1383.
Etched, Ruby, 21/- per doz.



Globe No. W1062.
Aurora Etched } 22/6
Ruby " } per doz.
Crystal " } 18/- doz.



No. W1370.
Etched and Engraved,
Yellow,
24/- per doz.



No. W1371.
Etched and Engraved,
Ruby,
24/- per doz.



No. W1369.
Etched and Engraved,
Green,
24/- per doz.



Globe No. W166.
Etched Pink,
24/- per doz.



Globe No. W168.
Etched Aurora, 24/- doz.
" Yellow, 24/- "



Globe No. W182.
Opal Cut Star, 33/- doz.
Pink Opal Cut Star,
36/- per doz.



Globe No. W1090.
Crystal Etched, 30/- per doz



Globe No. W60.
Crystal ... 32/- per doz.
Rose ... 36/- "



Globe No. W163.
White Opal, 33/- doz.
Pink Opal, 36/- "



Globe No. W164.
Crystal Etched and Cut Star,
36/- per doz.



Globe No. W167.
Cut Star Etched Crystal,
36/- per doz.



Globe No. W1089.
Aurora Etched,
36/- per doz.

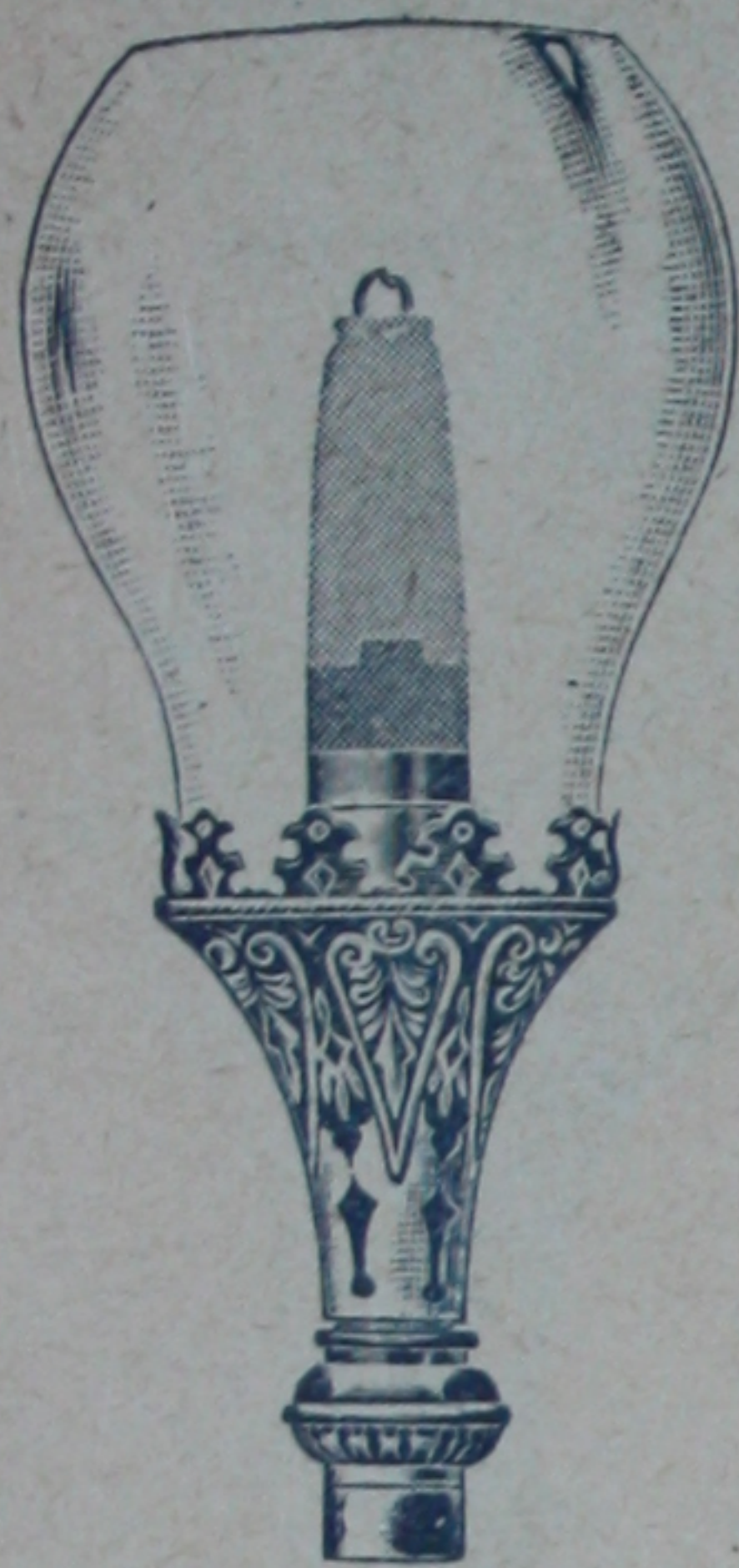
Prices
for
Globes
only.

WELSBACH LIGHT

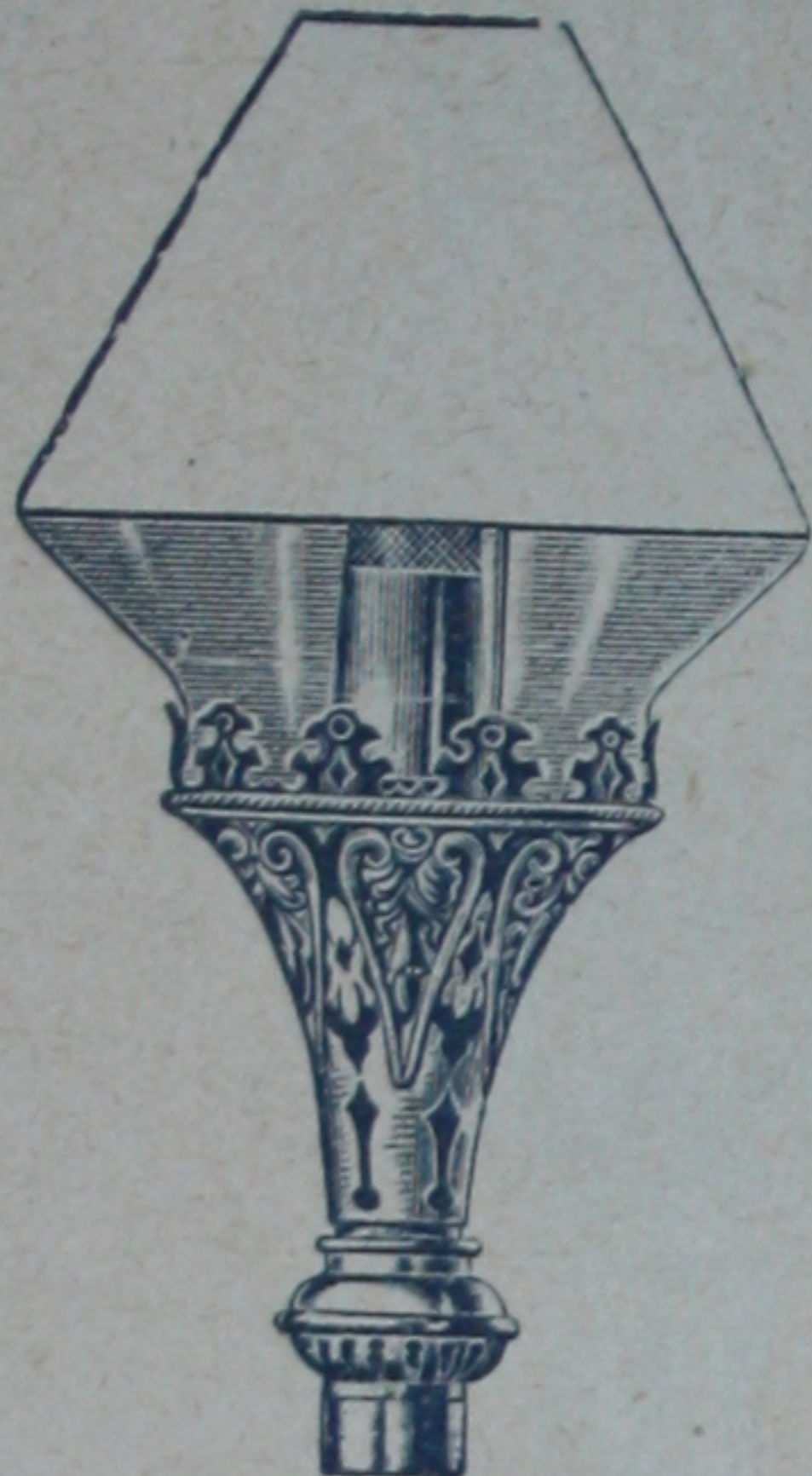
Prices
for
Globes
only.

Globes for Welsbach-Kern Burners No. I and Gem Burners.

(SPECIAL GLOBE HOLDERS for "GEM" Burners to carry these Globes, 2/6 per doz.)



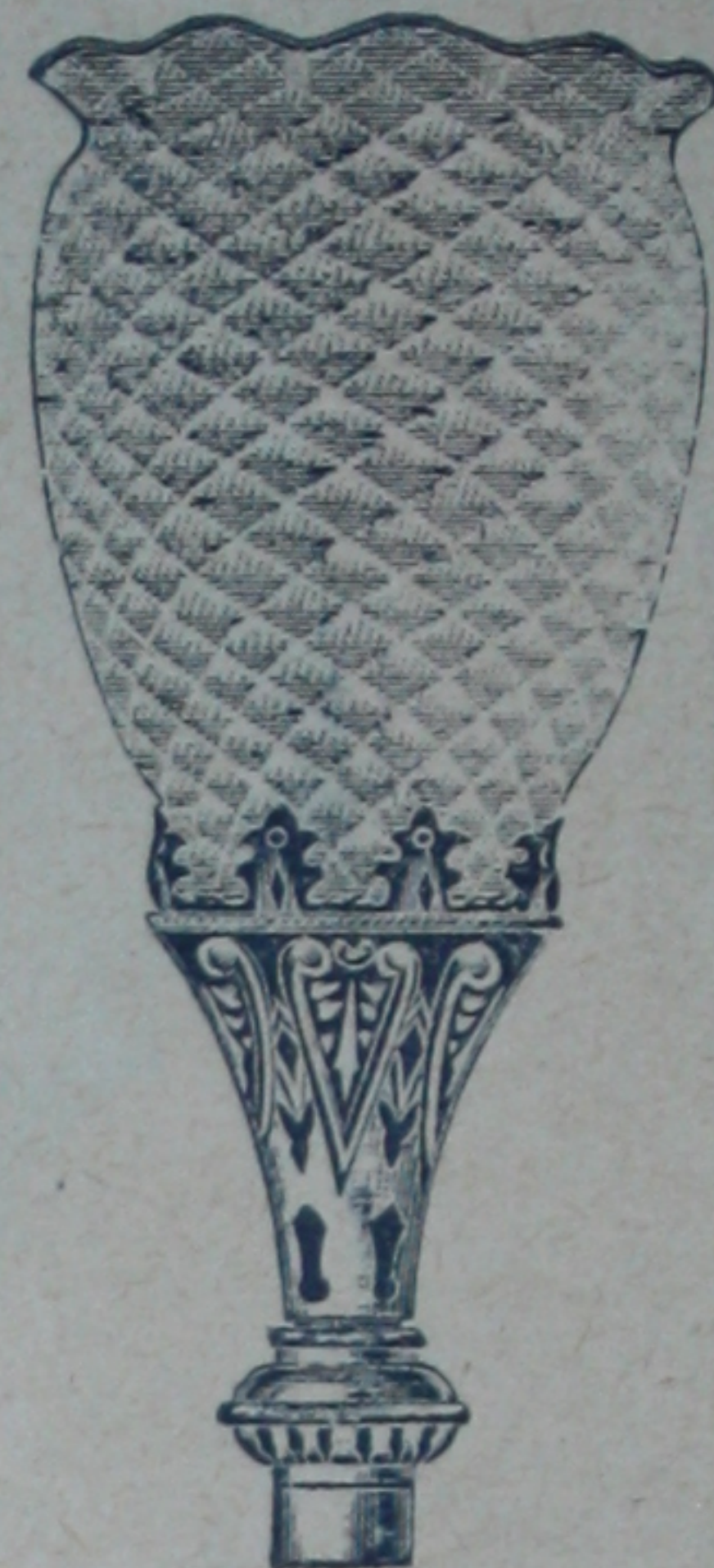
Globe No. W72.
Clear Glass,
3/6 per doz.



Globe No. W71.
Opal and Clear Base
Squat.
For Burners No. I and
Gem. 8/- per doz.



Globe No. W70.
Opal and Flint Dome
Shade.
8/- per doz.



Globe No. W1624.
Crystal Satin Optic,
12/- per doz.



Globe No. W1623.
Crystal Satin,
12/- per doz.



Globe No. W1622.
Crystal Manography,
12/- per doz.



Globe No. W1621.
Crystal Manography,
Rose Manography,
14/- per doz.



Globe No. W1620.
Crystal Manography,
12/- per doz.



Globe No. W58.
Rose,
12/- per doz.



Globe No. W56.
Rose,
12/- per doz.



Globe No. W163.
Cut Opal Pink,
12/- per doz.



Globe No. W170.
Etched Aurora,
12/- per doz.



Globe No. W174.
Etched, Aurora or
Yellow,
12/- per doz.



Globe No. W177.
Aurora Obscured,
12/- per doz.



Globe No. W1438.
Tinted Obscured, Satin
Finish, in Yellow,
Green, or Ruby,
14/- per doz.



Globe No. W1439.
Etched Crystal,
14/- per doz.
Ditto, Green, Ruby,
or Aurora,
18/- per doz.



Globe No. W182.
Cut Opal Star,
30/- per doz.

WELSBACH LIGHT

GLOBES FOR WELSBACH-KERN BURNERS, No. 0 size.

PRICES FOR GLOBES ONLY.



Globe No. W50.
Rose ... } 8/-
Yellow } per doz.



Globe No. W53.
Rose ... } 8/-
Yellow } per doz.



Globe No. W163.
Cut Opal, Pink, 8/- per doz.



Globe No. W166.
Etched Pink,
8/- per doz.



Globe No. W168.
Etched Aurora,
8/- per doz.



Globe No. W170.
Aurora Etched,
8/- per doz.



Globe No. W171.
Etched Aurora,
8/- per doz.



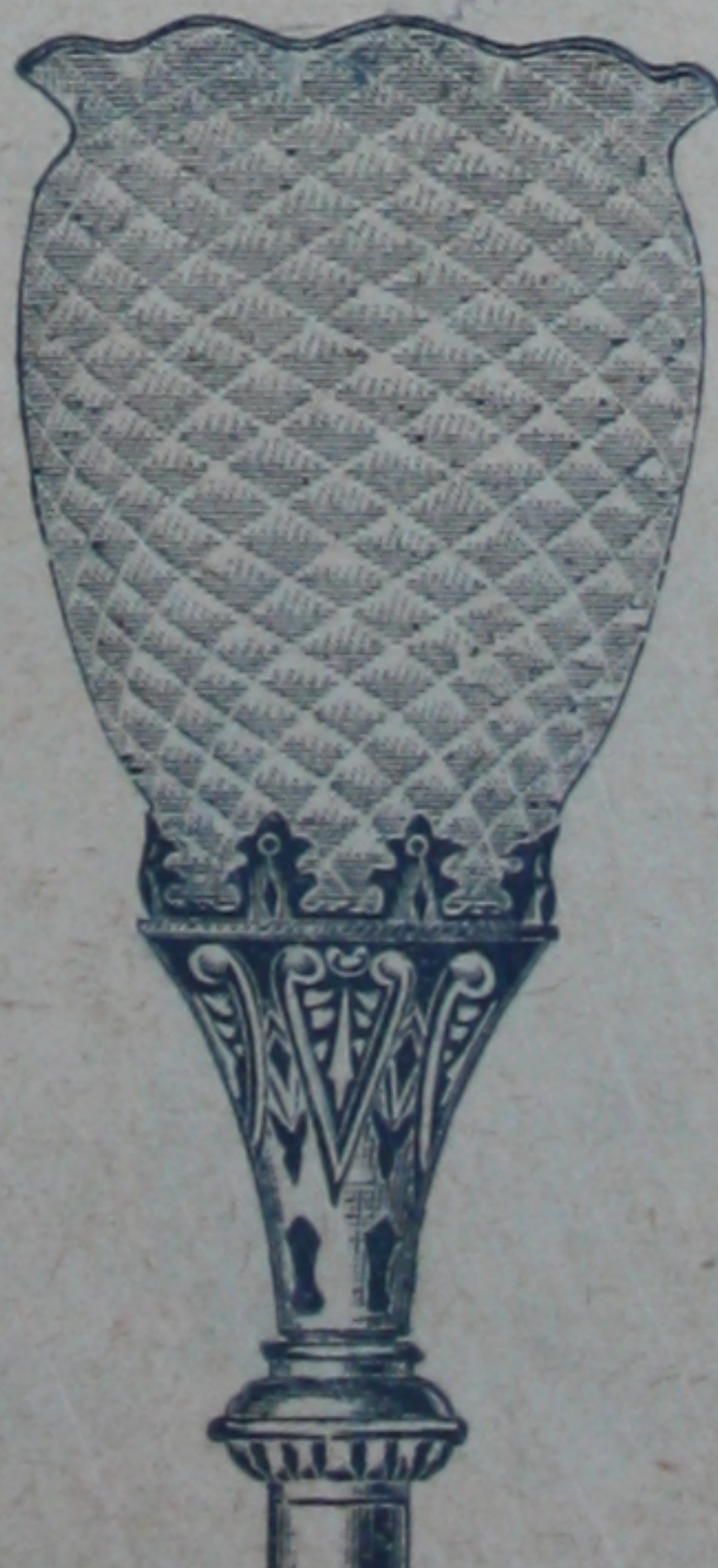
Globe No. W174.
Crystal Etched } 8/-
Aurora Etched } per doz.
Yellow Etched }



Globe No. W177.
Aurora Obscured } 8/-
Yellow } per doz.



No. W1623.
Crystal Satin,
9/- per doz.



No. W1624.
Crystal Satin Optic,
9/- per doz.



No. W1625.
Crystal Manography, 9/- per doz.
Aurora or Ruby, 12/- "

WELSBACH LIGHT

Globes and Shades for Full-size Inverted Burners.

3⁷/₁₆-in. Flange Fitting.

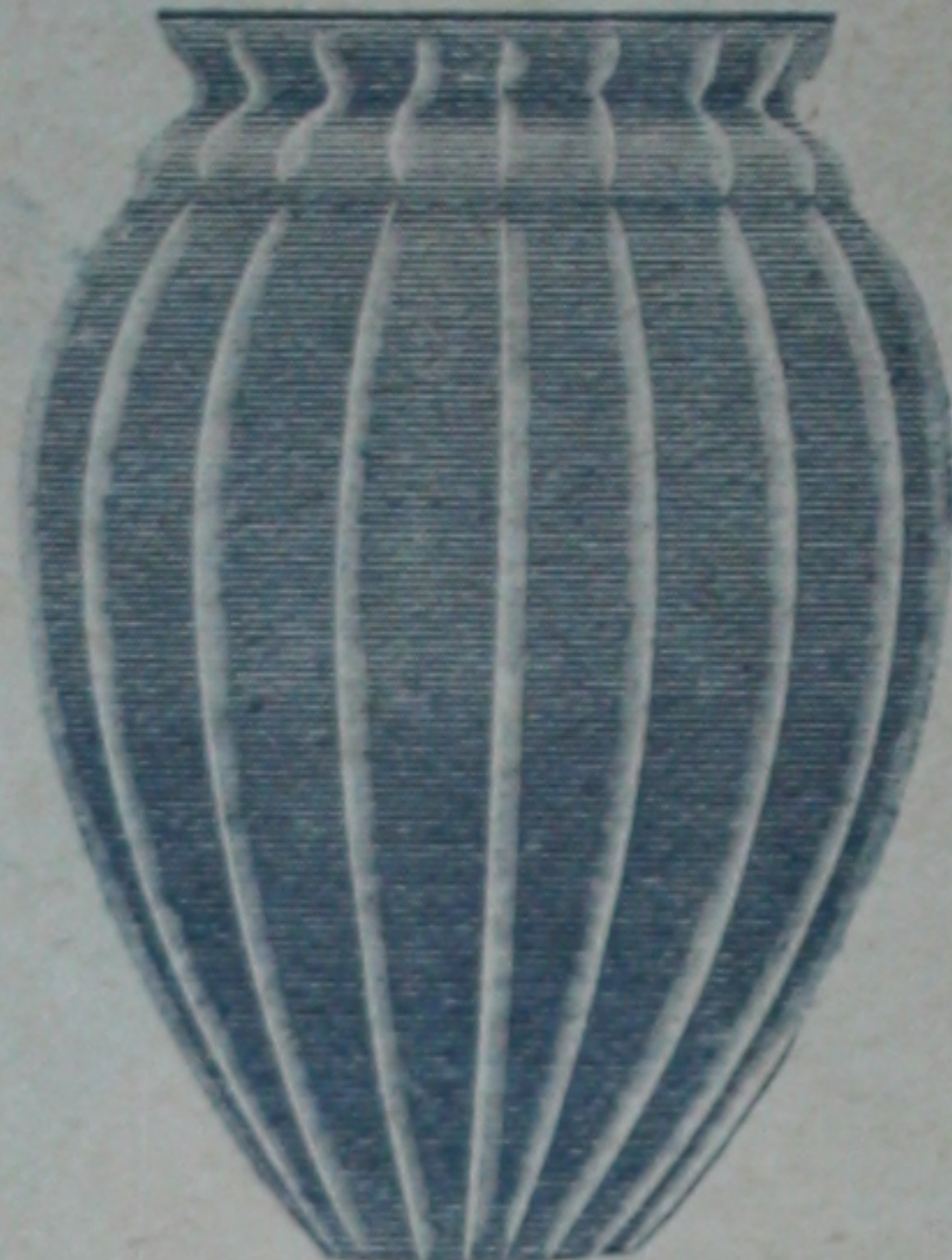


No. W1353.

	Per doz.	2-gross case.
Round, Clear,	5/-	51/-
Opalescent	5/6	58/-
Obscured	5/6	58/-
Opaline	5/-	52/-



No. W1740.
Clear Optic, 4/6 per doz.
By case of 2 gross,
48/- per gross.



No. W1173.
Crystal Optic, with
Shoulder for Shade,
5/- per doz.
Case lots of 2 gross,
52/- per gross.



No. W1174.
Obscured Optic,
6/- per doz.
Case lots of 2 gross,
62/- per gross.



No. W1743.
Crystal, Satin Finish,
12/6 per doz.



No. W1402.
Opal and Flint,
9/- per doz.
By case of 12 doz.,
8/- per doz.



No. W1403.
Opal and Flint, Optic,
9/- per doz.
By case of 12 doz.,
8/- per doz.



No. W1179.
Opal and Flint, Optic,
9/- per doz.
By case of 12 doz., 8/- per doz.



No. W1179A.
Opal and Flint, Optic,
11/- per doz.
By case of 12 doz., 9/6 per doz.



No. W1239.
Opal and Flint,
12/6 per doz.
By case of 12 doz., 11/- per doz.



No. W1490. 5¹/₂-in. diameter.
Opal and Flint, Optic,
11/- per doz.
By case of 12 doz., 9/6 per doz.



No. W1491. 6¹/₂-in. diameter.
Extra large Opal and Flint,
Optic, for Single Light
Pendants, 18/- per doz.



No. W1627.
Opal and Flint Fluted, Optic,
15/- per doz.
By case of 12 doz.,
13/6 per doz.



No. W1486.
Opal and Flint, Optic,
13/- per doz.



No. W1489.
Opal and Flint, Optic,
13/- per doz.



No. W1744.
Opal and Flint, 13/- per doz.
By case of 12 doz., 11/6 per doz.



No. W1745.
Obscured and Clear Bulb,
suitable for use with Silk or
Card Shades, or Bead Fringes,
11/6 per doz.



No. W1466A.
Renewal
Inner
Chimney
for
"Pyrophane"
Globe,
4/6 per doz.



No. W1746.
Clear, 4/6 per doz.
Obscured, 5/6 per doz.
By 3-gross case,
Clear, 48/- per gross,
Obscured, 54/- per gross.



No. W1747.
For "Bland" Burner,
with Bayonet Top Fitting,
Clear, 7/- per doz.
Obscured, 8/- per doz.
By case of 3 gross,
Clear, 70/- per gross,
Obscured, 78/- per gross.

WELSBACH LIGHT

GLOBES FOR FULL-SIZE INVERTED BURNERS.

3 ⁷/₁₆ in. FLANGE FITTING.



No. W1482.

Opal Shade ... 12/- doz.
Optic Clear Globe ... 8/- "
Complete Set ... 20/- "
By Case of 6 doz. Shades & Globes,
18/- per doz.



No. W1461.

Clear Optic Globe... 7/6 doz.
Opal Shade ... 12/- "
Complete Set ... 19/6 "



No. W1462.

Satin Ribbed Globe... 9/9 doz.
Opal Shade ... 12/- "



No. W1481.

Green Cased Shade... 26/- doz.
Optic Clear Globe ... 8/- "
Complete Set ... 34/- "



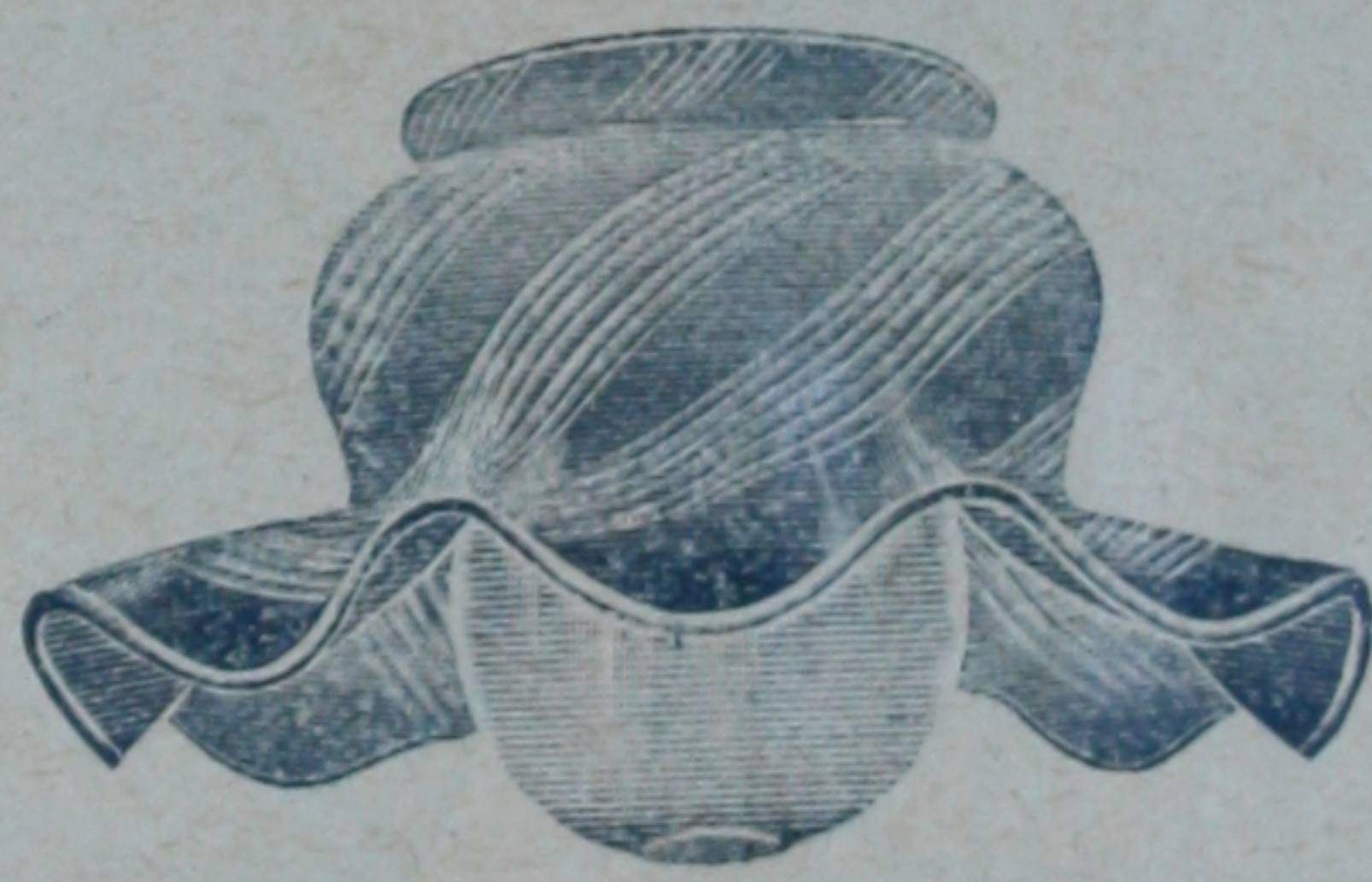
No. W1485.

Opal Shade ... 12/- per doz.
Diamond Optic Globe... 8/- "
Complete Set ... 20/- "



No. W1484.

Opal Shade ... 12/- per doz.
Ruby Tinted Optic Globe 14/- "
Complete Set ... 26/- "



No. W1188.

Shade Sets complete with No. W1746, Clear or Obscured Bulbs.

No. W1188. Crystal Obscured, Satin Finish ... 17/- doz. sets.
No. W1189. " " " " ... 17/- "
No. W1189. Ruby Tinted " " " " ... 20/6 "
No. W1188 and W1189. Crystal Obscured Shades only ... 12/6 per doz.
No. W1189. Ruby Tinted Shade only ... 16/- "
For Bulbs No. W1746, see page 54.



No. W1189.



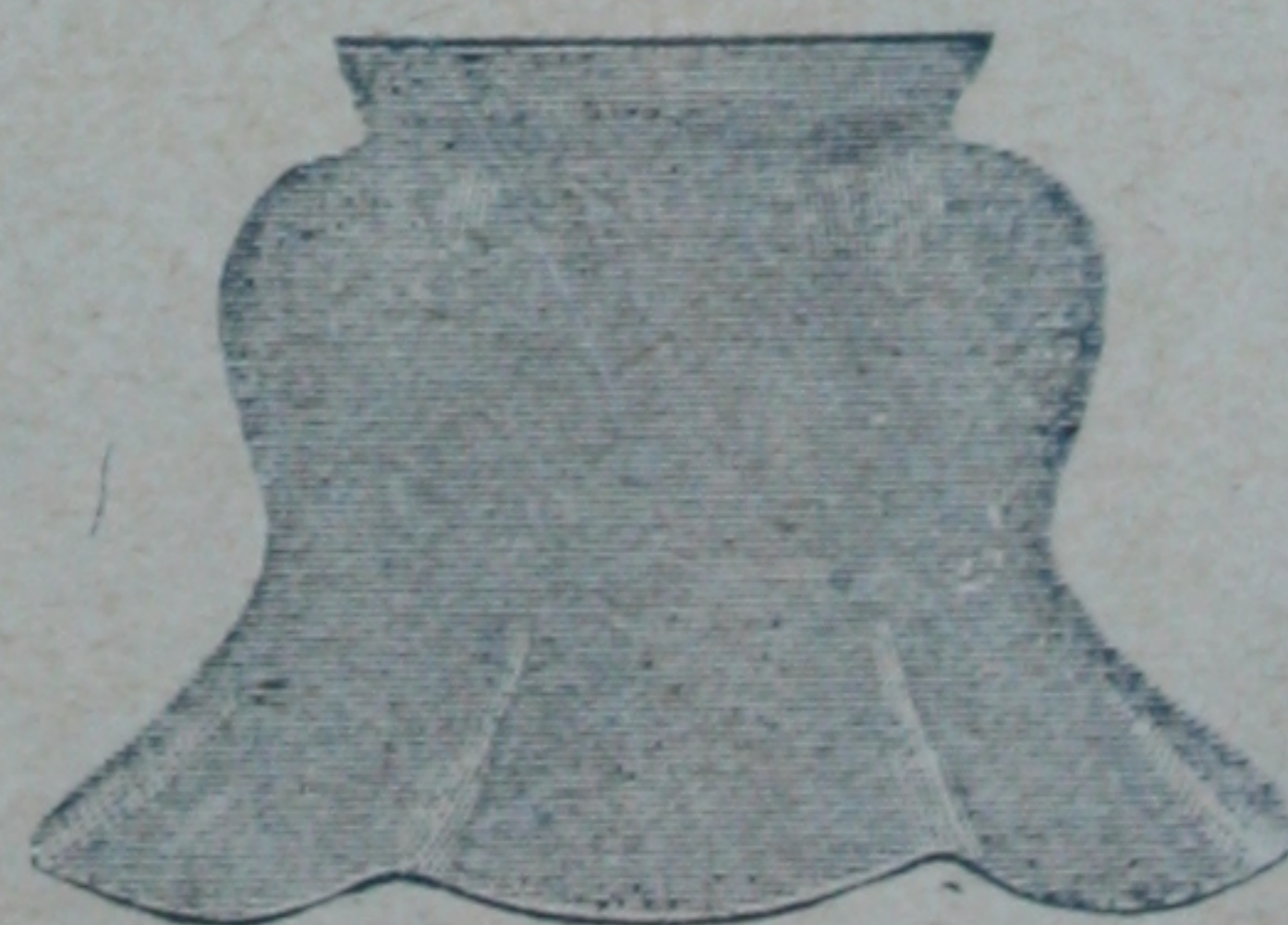
No. W1748.

8-in. Opal Shade only ... 6/- per doz.
Case of 12 dozen ... 5/6 "
10-in. Enamelled Iron, } 13/- "
White inside, Blue out }



No. W1749.

Clear Jena Globes ... 10/- doz.
Jena Opaline Shades ... 13/- "
Globes (only), by case of } 8/- "
12 dozen ... }



No. 1750.

Opal Shades ... 12/6 doz
Can be used with Bulbs
No. W1746 if desired. *x8



The "Pyrophane" Globe and Inner Chimney.

No. W1463. Clear Optic 16/8
" W1464. Satin ... 21/-
" W1465. Plain Opaline 18/-



The "Pyrophane" Globe and Inner Chimney.

No. W1466. Crystal Etched 27/- doz.



No. W1751.



No. W1752.



No. W1753



No. W1493.

Crystal Sandblast, 8/3 doz.
By case of 12 doz. 7/3 per doz.
Sandblast, Colored, 11/6 per doz.
Ruby, Green, Yellow, Aurora.
By case of 12 doz., containing 3 doz.
each of above colors, 10/- per doz.



No. W1494.

Crystal Sandblast, 8/3 doz.
By case of 12 doz. 7/3 per doz.
Sandblast, Colored, 11/6 per doz.
Ruby, Green, Yellow, Aurora.
By case of 12 doz., containing 3 doz.
each of above colors, 10/- per doz.

Crystal Sandblast, assorted patterns, 5/6 per doz. By case of 12 doz. 4/9 per doz.

3 $\frac{7}{16}$ in. FLANGE FITTING.



No. W1756.

10/- per doz.
9/- „



No. W1242.

Manography, Reseda Tint,
15/- per doz.



No. W1241.
Manography, Green,
15/- per doz.

By case of 12 doz. assorted	...	9/6 doz.
71	93	13/6



No. W1767.
Green or Orange.
... **16/- per doz.**

Best quality Manography, assorted colours as shown

WELSBACH LIGHT

Globes for full-size Inverted Burners.

$\frac{3}{16}$ -inch FLANGE FITTING.



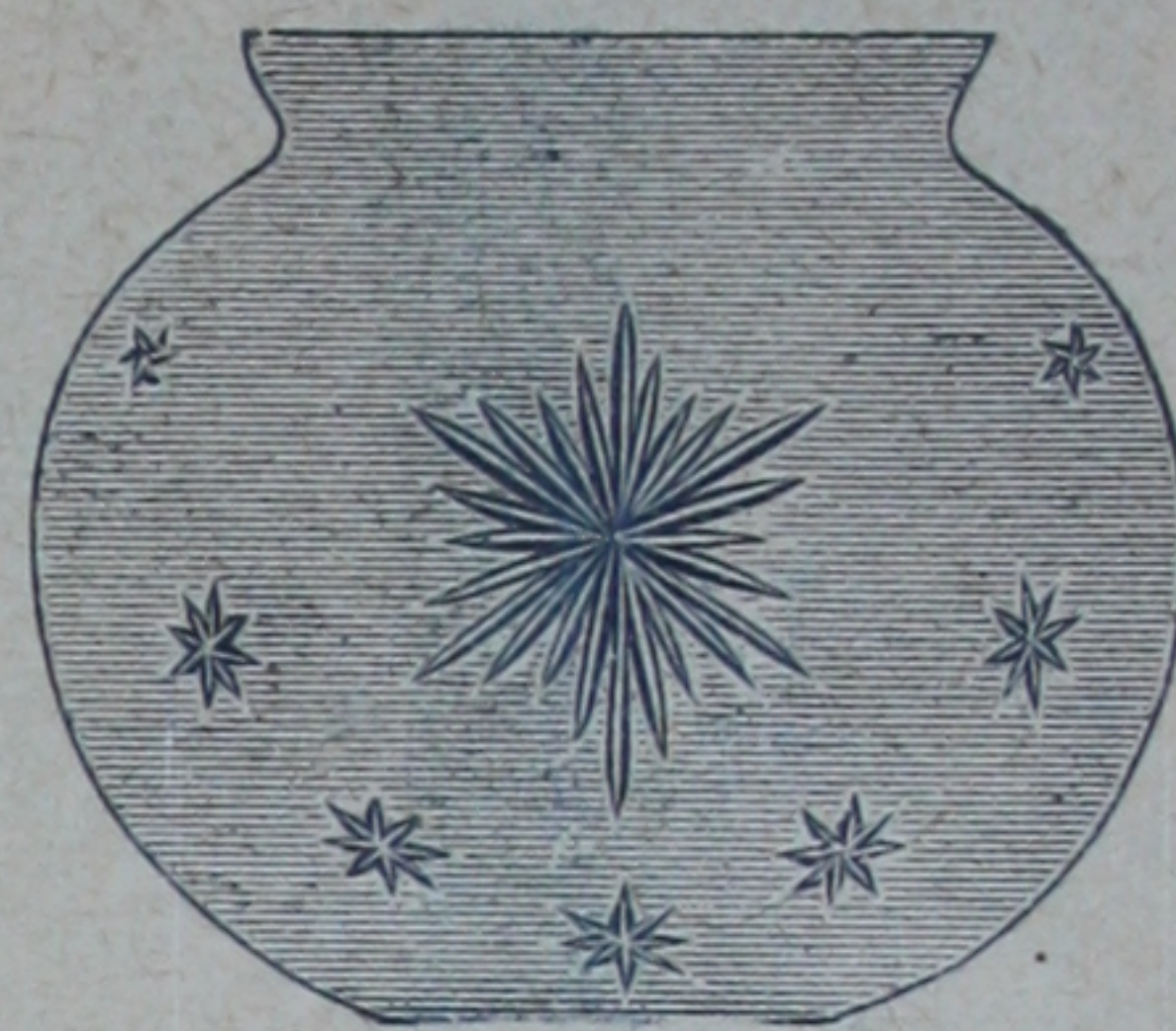
No. W1768.
Crystal Etched, 13/- per doz.
Ruby or Green, 16/- „



No. W1245.
Crystal Etched,
15/- per doz.



No. W1246.
Crystal Etched,
15/- per doz.



No. W1602.
Opal, Cut Stars,
33/- per doz.



No. W1769.
Ruby or Green.



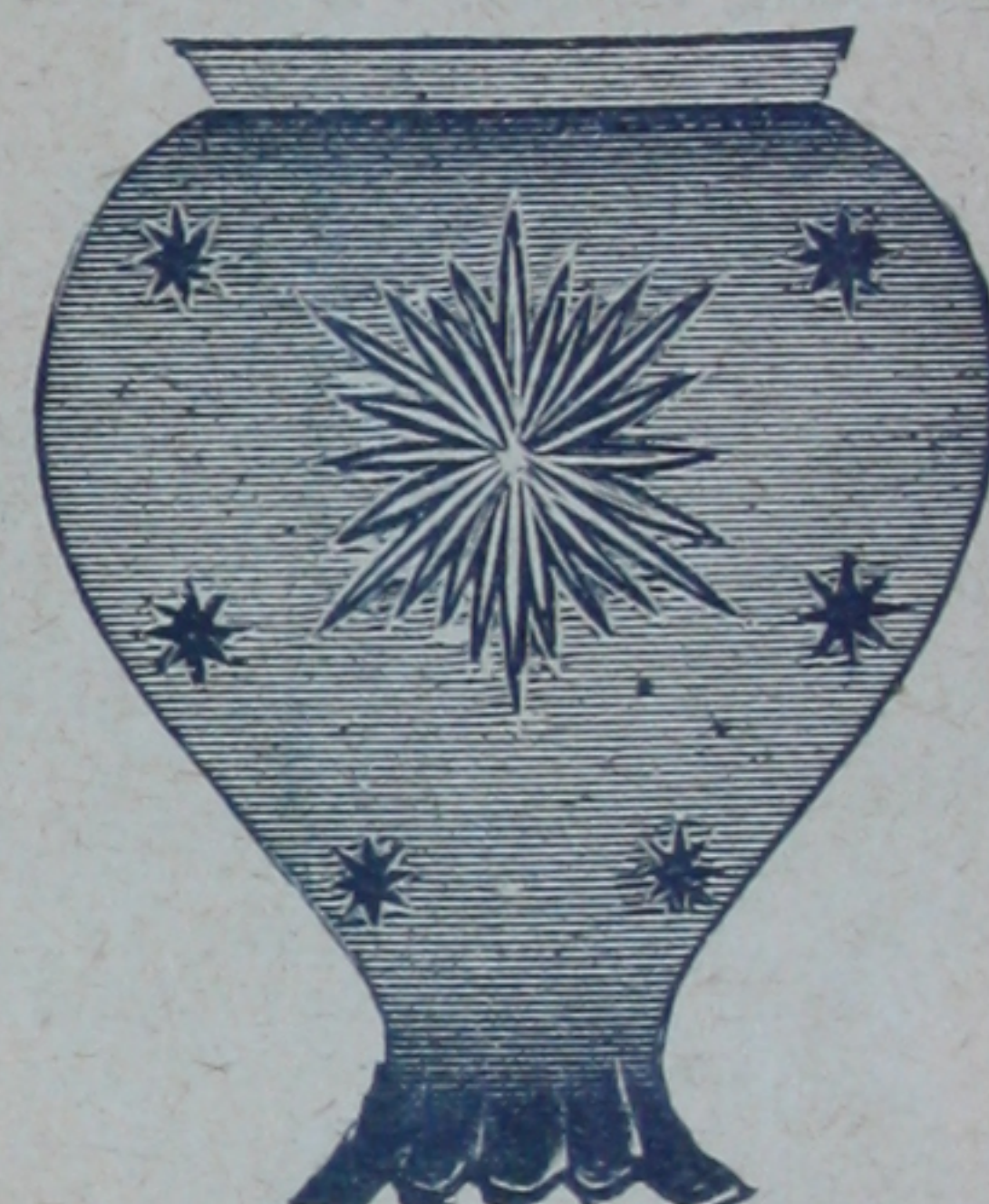
No. W1770.
Ruby or Green.



No. W1771.
Ruby or Green.



No. W1772.
Ruby or Yellow.



No. W1117.
Opal, Cut Stars,
36/- per doz.

Crystal Etched, 15/- per doz. By case of 12 dozen assorted patterns, 13/6 per doz.
Tinted Etched as shown, 18/- per doz. By case of 12 dozen assorted, 16/6 per doz.



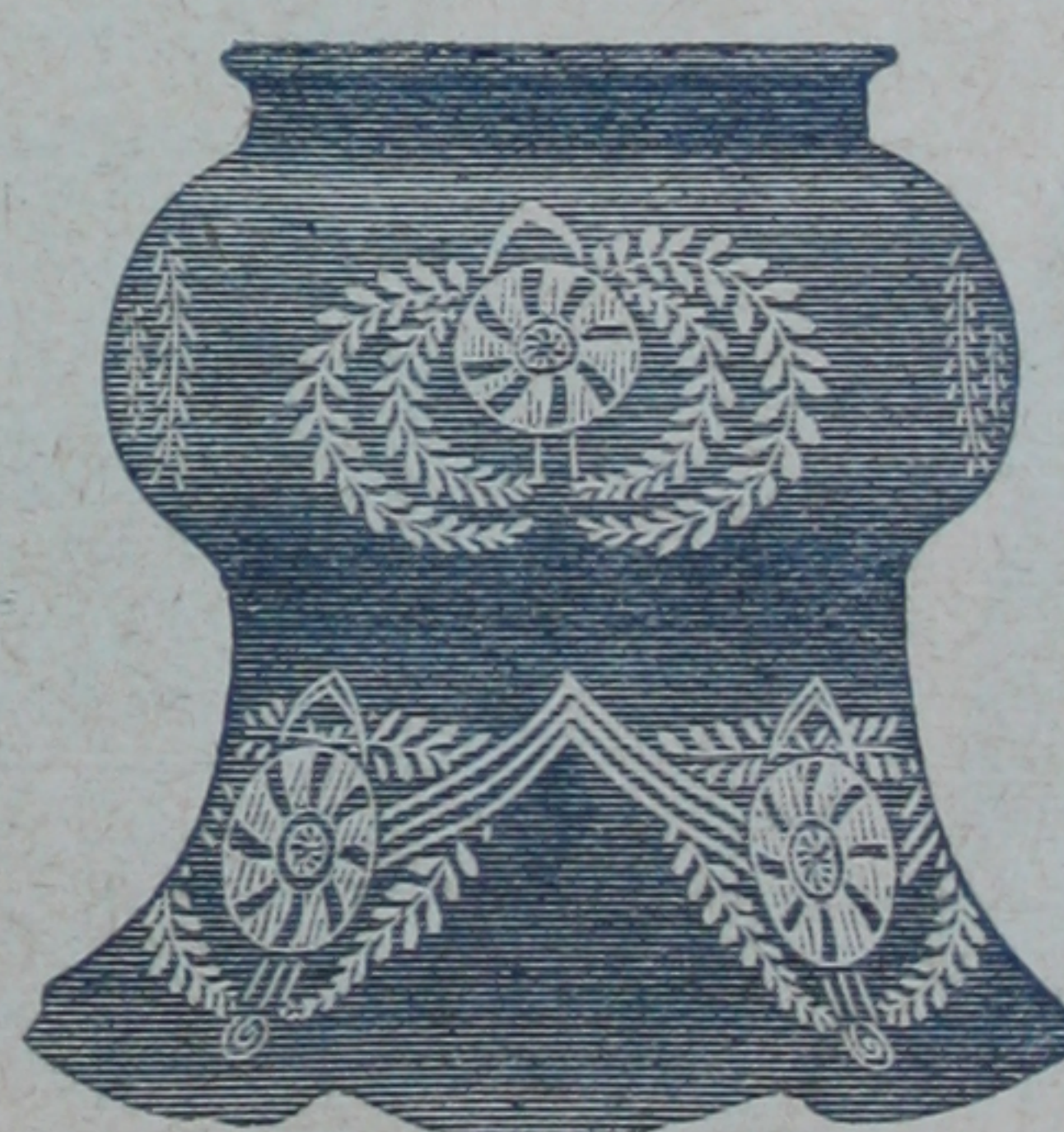
No. W1773.
Ruby, Green, or Orange.



No. W1774.
Ruby or Green.



No. W1775.
Salmon Pink or Green.

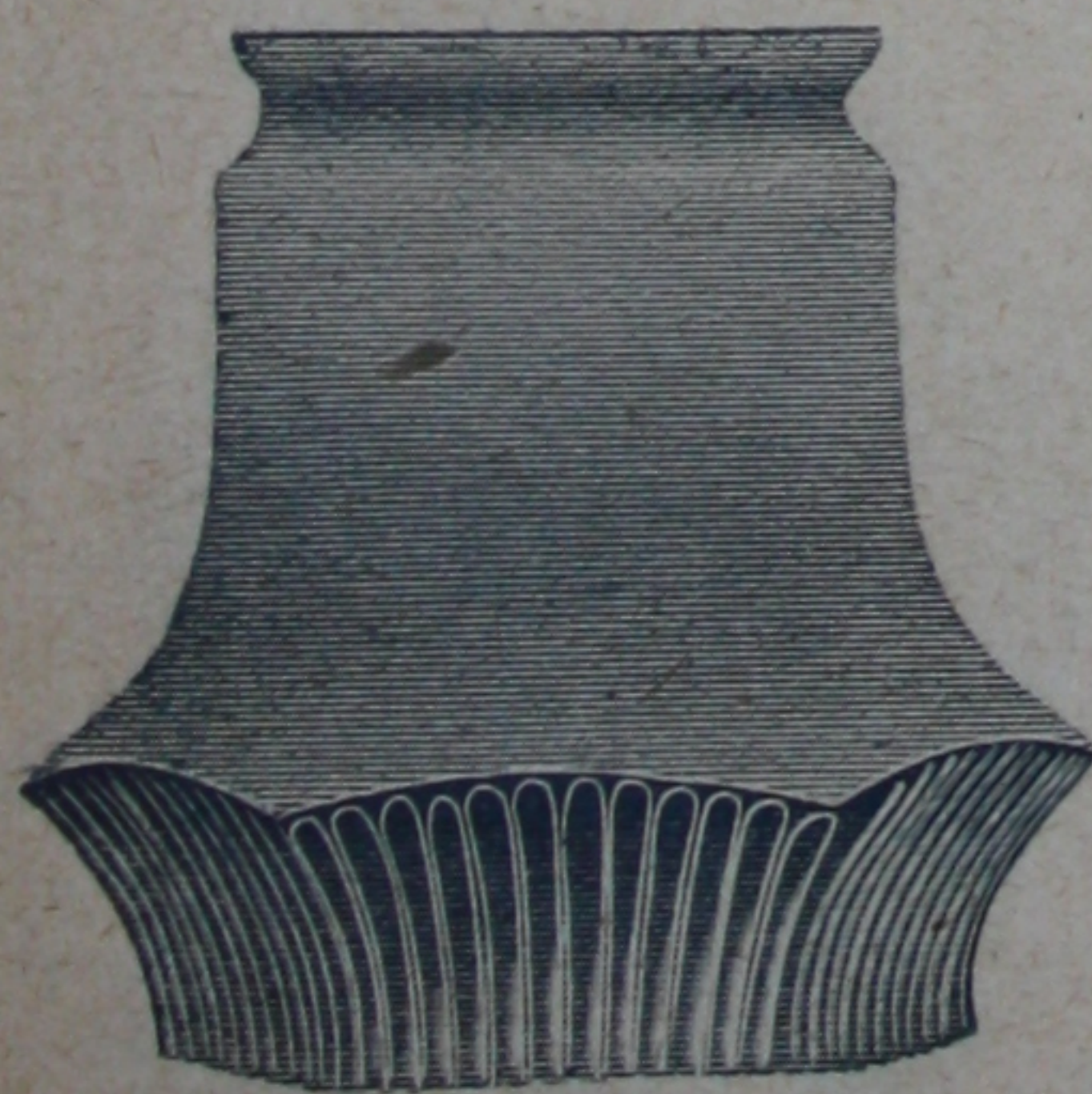


No. W1776.
Ruby, Green, or Old Gold.

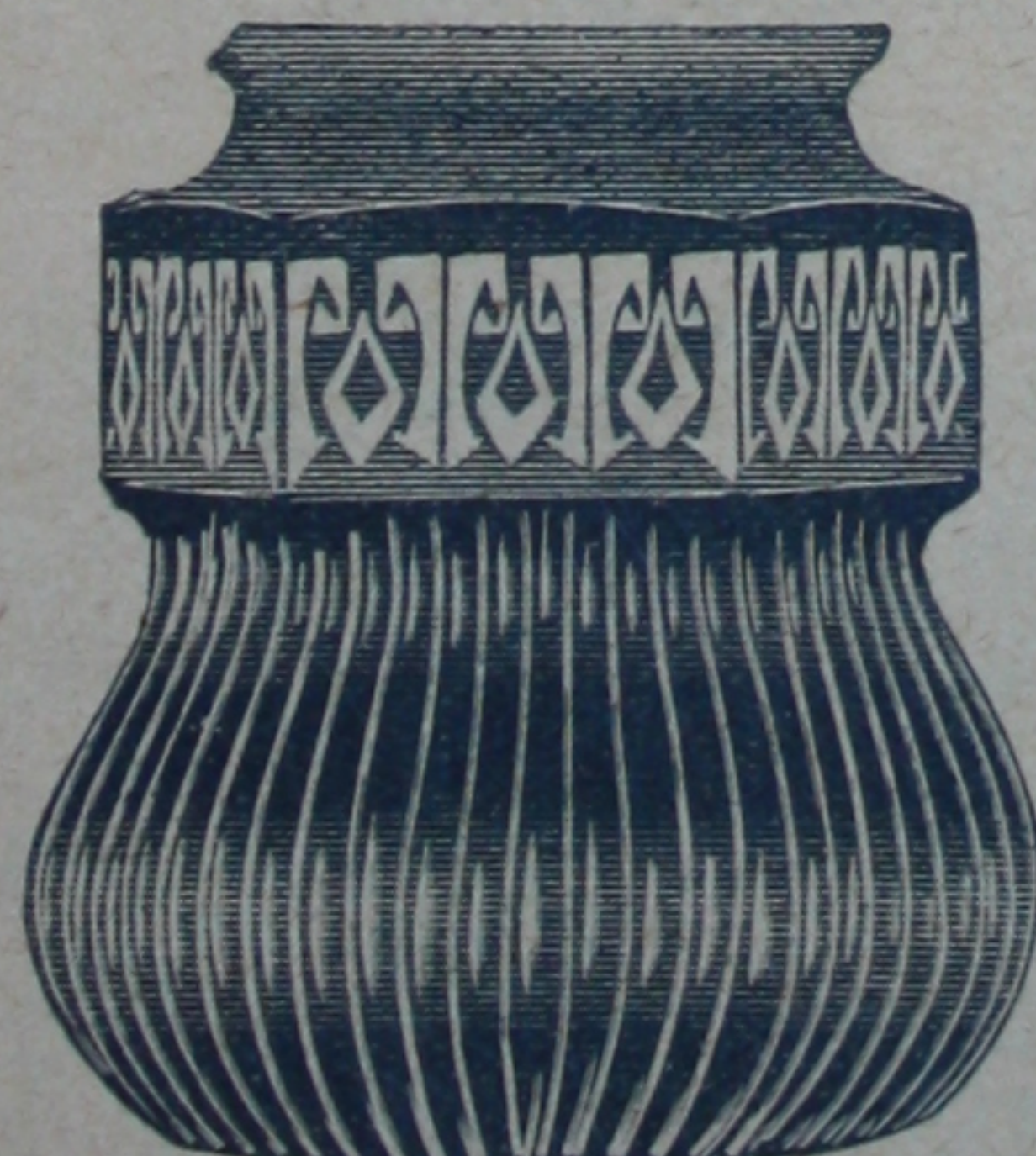


No. W1508.
Crystal Etched, 18/- doz.
Green „ 22/- „

Tinted Etched, Satin Finish, Optic, 22/6 per doz.



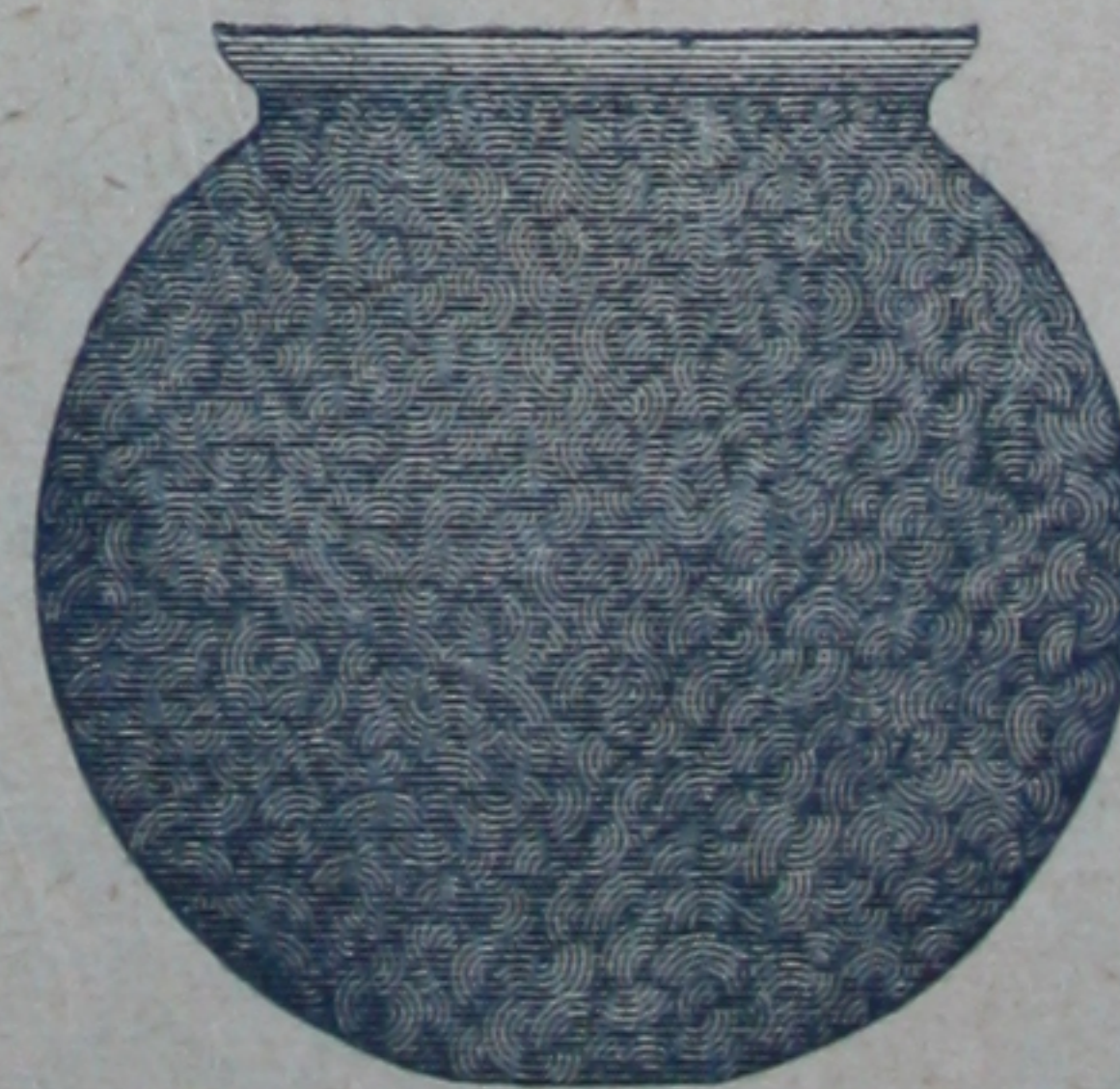
No. W1777.
Obscured and Clear Moulded
Optic, Ruby and Green Tinted,
13/6 per doz.



No. W1778.
Etched and Moulded Optic,
Satin Finish,
Ruby and Green Tinted.
21/- per doz.



No. W1409.
Thistle Pattern,
Moulded,
16/6 per doz.
Ruby, Green,
Yellow, or Aurora.



No. W1626.
Crystal Etched,
19/- per doz.
Ruby Etched,
22/- per doz.



No. W1561.
Large Flame, Crystal,
19/6 per doz.
Large Flame, Ruby,
22/6 per doz.

WELSBACH LIGHT

GLOBES FOR FULL-SIZE INVERTED BURNERS.

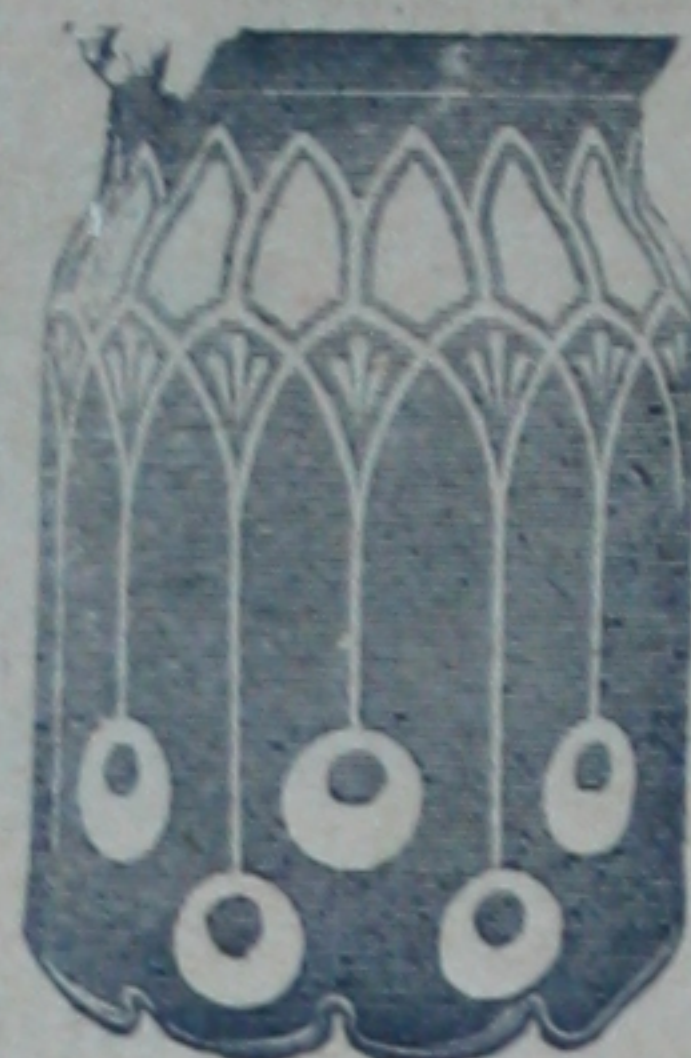
[3 ⁷/₁₆-inch FLANGE] [FITTING.]



No. W1510.
Etched, Yellow - 22/- doz.



No. W1228.
Green, Etched,
22/- per doz.



No. W1231.
Pink, Etched ... 21/- doz.



No. W1232.
Green, Etched ... 22/- per doz.



No. W1559.
Etched, Crystal, Cut Stars,
27/- per doz.
Ditto Ruby ditto 31/6 doz.



No. W1505.
Etched, Ruby, 22/- doz.



No. W1506.
Etched, Ruby ... 22/- doz. Etched, Green - 22/- doz.



No. W1507.



No. W1233.
Superior Rose Etched
22/- per doz.



No. W1779.
Best quality Satin Etched
Crystal 18/6 doz.
Green Shaded or Salmon
Tinted 22/6 doz.



No. W1780.
Best quality Satin Etched,
Machine Crimped, Crystal
19/6 doz.
Ruby, Green or Yellow 24/- doz.



No. W1781.
Best quality Satin Etched,
Machine Crimped, Crystal
19/- doz.
Green or Old Gold 23/- doz.



No. W1782.
Best quality Satin Etched,
Machine Crimped, Crystal
19/6 doz.
Ruby or Green 24/- doz.



No. W1783.
Best quality Satin Etched,
Machine Crimped, Crystal
19/- doz.
Ruby or Green 23/- doz.



No. W1784.
Superior Satin Etched with
Mano. design, Crystal 23/- doz.
Ruby or Green 27/- doz.



No. W1785.
Superior Satin Etched with
Mano. design, Crystal 23/- doz.
Ruby or Green 27/- doz.



No. W1786.
Best Satin Finish, Crystal,
Etched and Brilliant Cut,
24/- doz.



No. W1787.
Crystal, Satin Finish and
Brilliant Cut,
30/- doz.

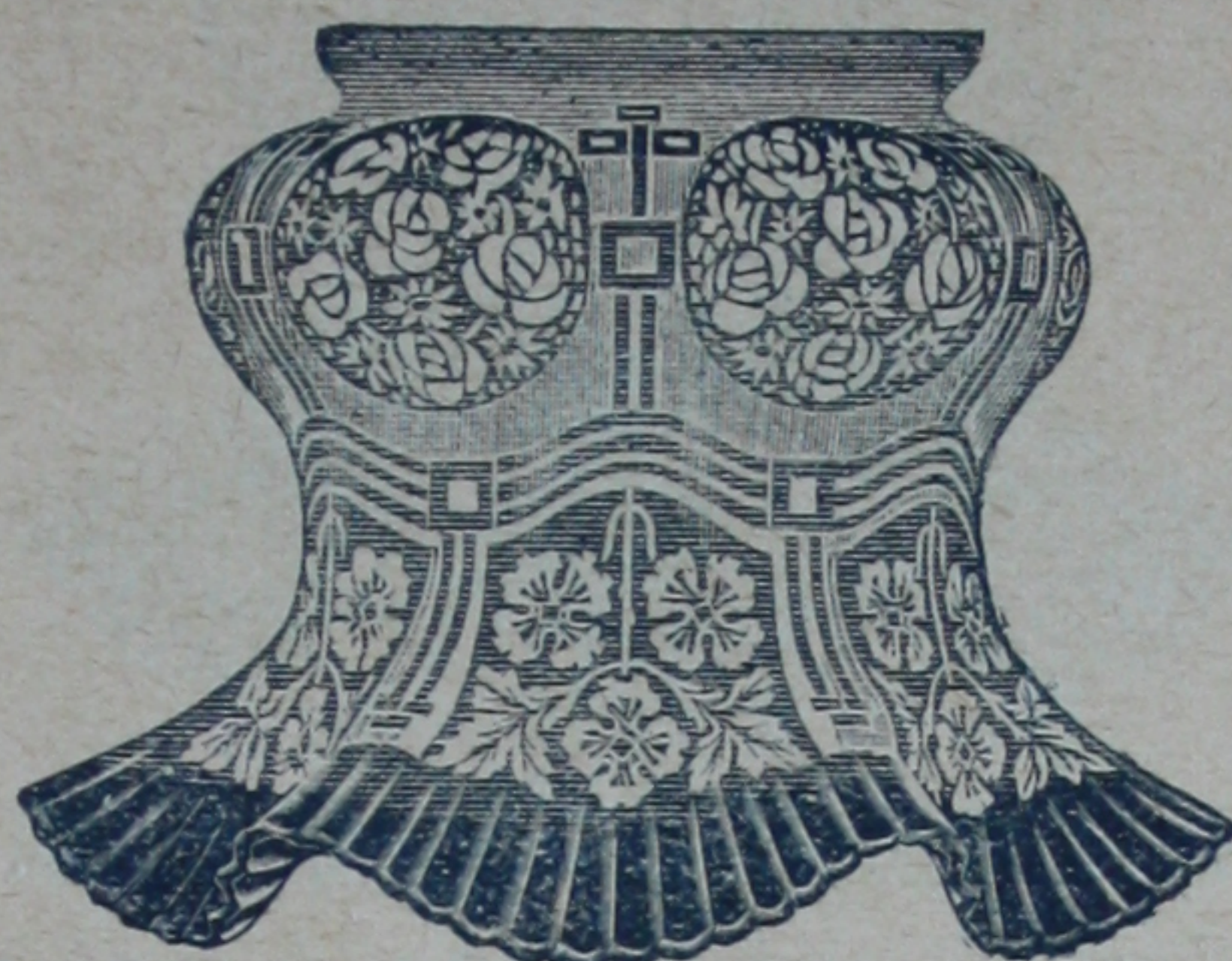
WELSBACH LIGHT

Globes for full-size Inverted Burners.

3 ⁷/₁₆-inch FLANGE FITTING.



No. W1521.
Manography, Crystal ... 18/- doz.
" Ruby ... 22/- "



No. W1522.
Blanco, Manography, Crystal ... 18/- doz.
" Green ... 22/- "



No. W1523.
Etched, Crystal ... 24/- doz.

FINEST ENGLISH GLASS.



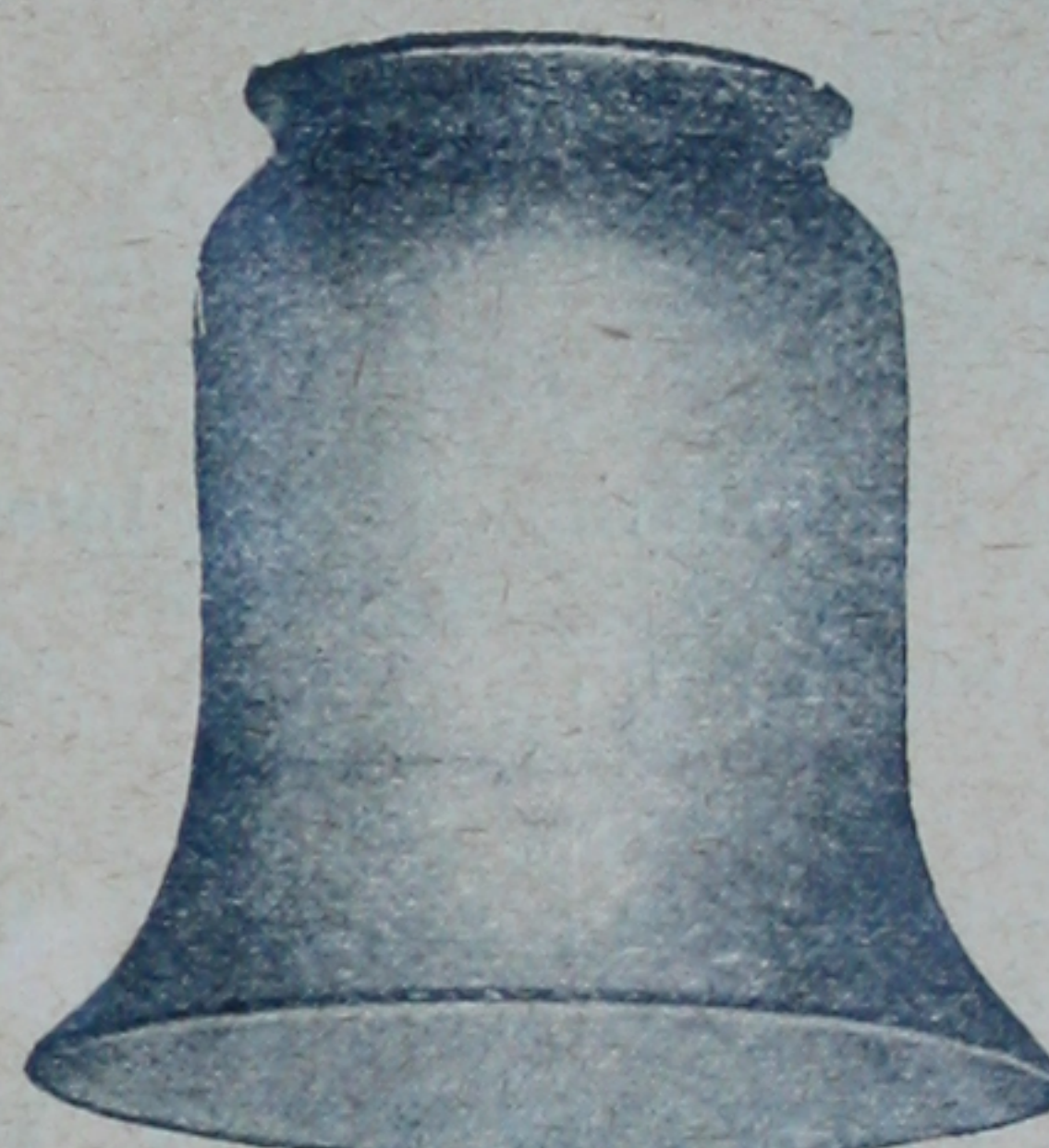
No. W1660.
Clear Straw Opalescent,
18/- per doz.



No. W1661. per doz.
Clear Straw Opalescent 18/-
Satin Finish Crystal ... 23/-
Satin Finish Opalescent 24/-



No. W1654.
Clear Straw Opalescent,
18/6 per doz.



No. W1653.
Satin Finish, plain Opalescent,
24/- per doz.



No. W1655.
Satin Finish, Opalescent,
rope mould, 24/- per doz.



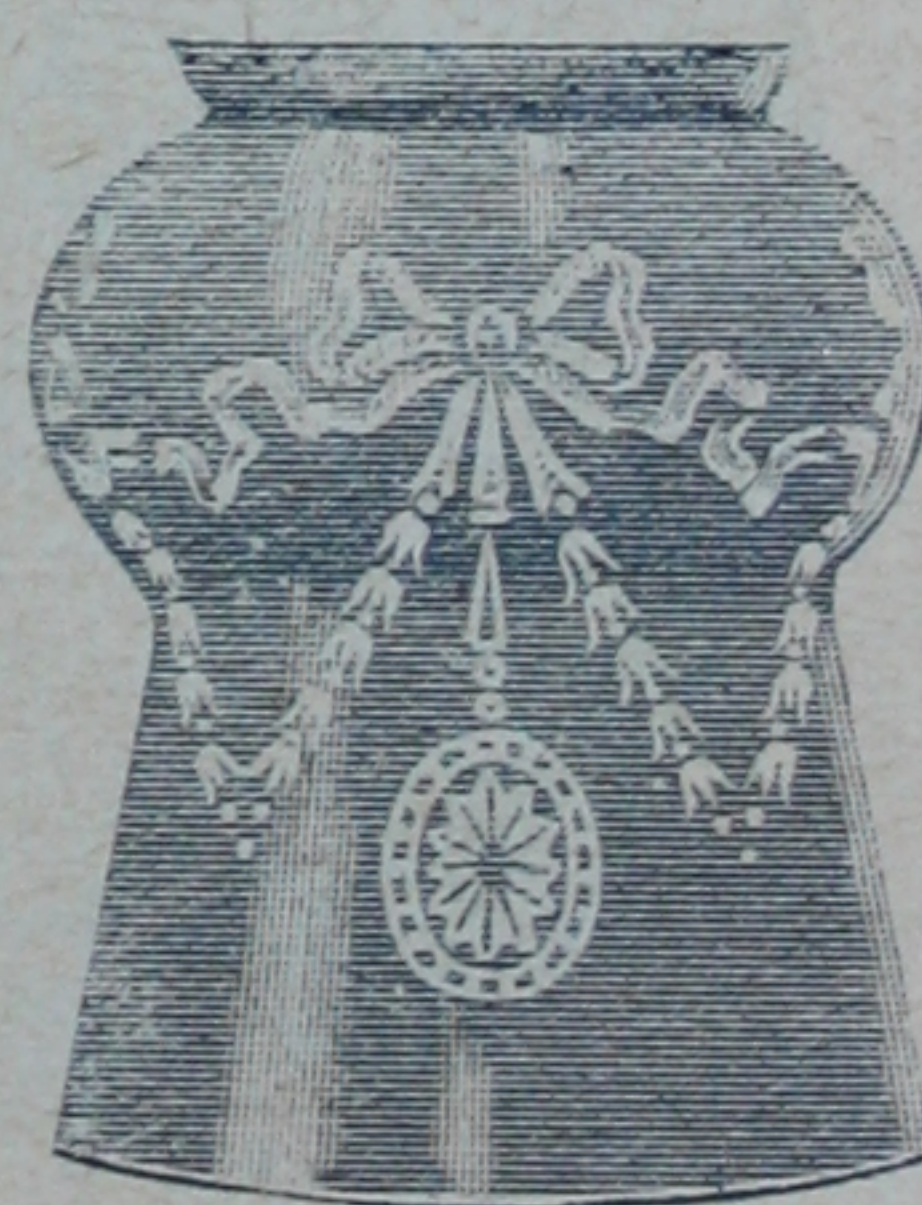
No. W1657.
Satin Finish.
plain Opalescent,
24/- per doz.



No. W1659.
Satin Finish.
Crystal Etched, 36/- per doz.
Opalescent " 38/- "



No. W1652.
Satin Finish.
Crystal Etched, 36/- per doz.
Opalescent " 39/- "



No. W1656.
Satin Finish.
Ruby Etched } 40/- per doz.
Green " }



No. W1658.
Satin Finish.
Ruby Etched } 40/- per doz.
Green " }



No. W1788.
Satin Finish.
Opalescent ... 25/- per doz.
Ruby Shaded 25/- "
Green " 25/- "



No. W1789.
Satin Finish. per doz.
Opalescent Etched ... 39/-
Crystal " ... 36/-



No. W1790.
Opalescent, Clear,
20/- per doz.
Opalescent, Satin Finish,
26/- per doz.



No. W1791. per doz.
Clear Straw Opalescent, 18/6
Satin Finish " 24/-
Satin Finish Crystal ... 23/-

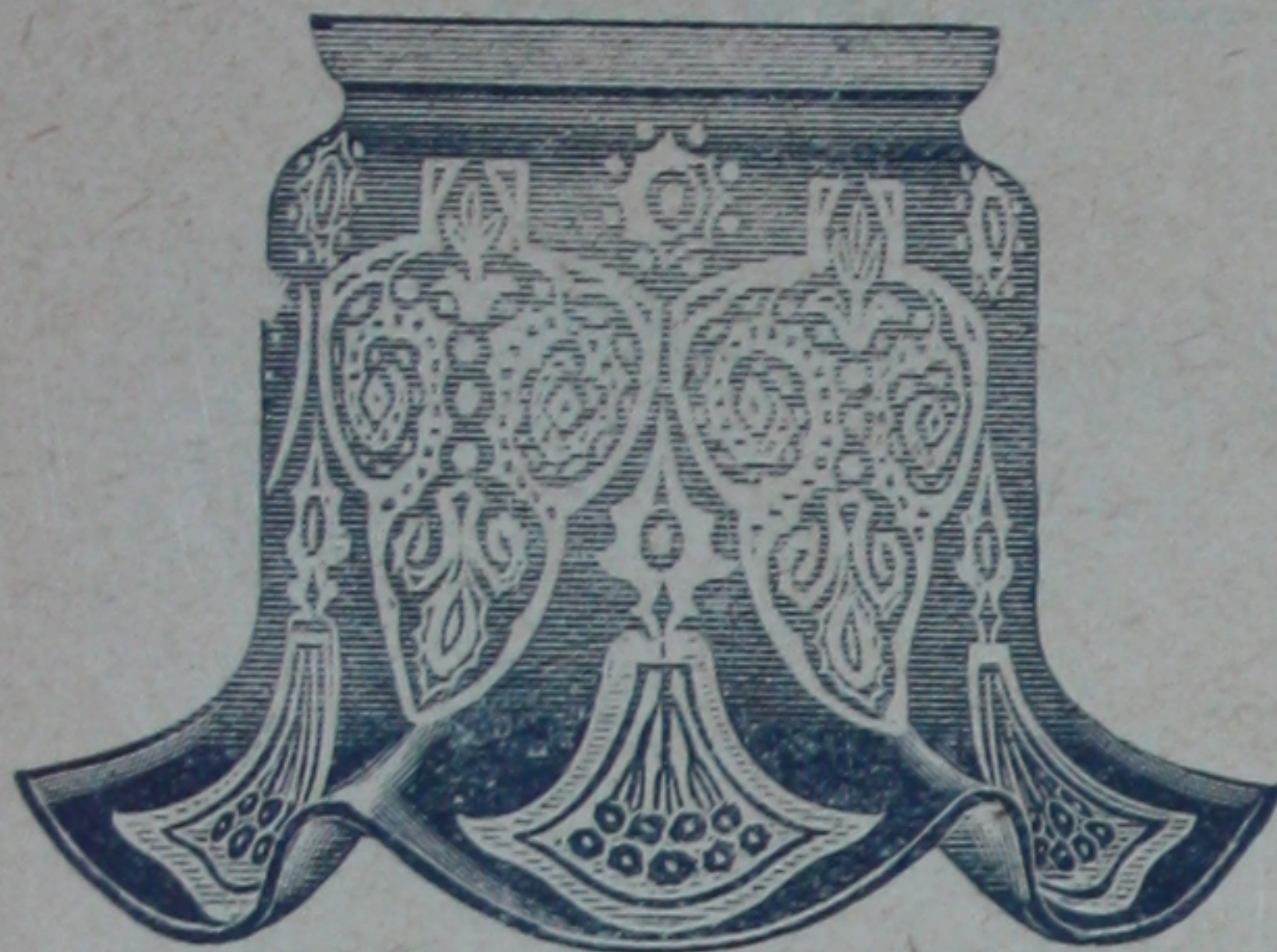


No. W1792. per doz.
Clear Straw Opalescent, 19/6
Satin Finish Crystal ... 24/-

WELSBACH LIGHT

GLOBES FOR FULL-SIZE INVERTED BURNERS.

3 $\frac{7}{16}$ -in. FLANGE FITTING.



No. W1524.
Etched, Ruby, 28/- per doz.



No. W1525.
Etched, Crystal, Painted, 37/6 per doz.



No. W1526.
Etched Crystal, Painted, 37/6 per doz.

HOLOPHANE REFLECTORS FOR INVERTED BURNERS.—These new types of **Holophane Reflectors**, for use with Inverted Gas Burners, form a perfect combination from the point of view of efficiency and appearance. The Reflectors are designed to eliminate the intense glare of the mantle, at the same time distributing the light in a predetermined direction. The metal collar which forms part of the Reflector eliminates risk of breakage.



Extensive Type—For Sideway Illumination.

No. W1737
3 $\frac{1}{8}$ -in. fitting—depth 4-in., width 7-in.,
48/- doz.

No. W1737a
3 $\frac{1}{4}$ -in. fitting, for Graetzin—depth 4-in.,
width 7-in., 48/- doz.



Intensive Type—For General Illumination.

No. W1738.
3 $\frac{1}{8}$ -in. fitting—depth 4-in., width 7 $\frac{1}{2}$ -in.,
48/- doz.

No. W1738a.
3 $\frac{1}{4}$ -in. fitting, for Graetzin—depth 4-in.,
width 7 $\frac{1}{2}$ -in., 48/- doz.



Focussing Type—For Concentrated Illumination.

No. W1739.
3 $\frac{1}{8}$ -in. fitting—depth 4-in., width 8-in.,
48/- doz.

No. W1739a.
3 $\frac{1}{4}$ -in. fitting, for Graetzin—depth 4-in.,
width 8-in., 48/- doz.

INVERTED PENDANT GLOBES—5-in. Fitting.



No. W1317.
Mignonette ... 3/6 each.



No. W1793.
Crystal Etched Optic 3/- each.
Ruby Etched Optic 3/6 each.



No. W1794.
Green Etched Optic 4/- each.



No. W1313.
Crystal ... 3/- each



No. W1314.
Yellow ... 3/6 each.



No. W1315.
Aurora ... 3/6 each.



No. W1316.
Blue or Yellow,
3/6 each.



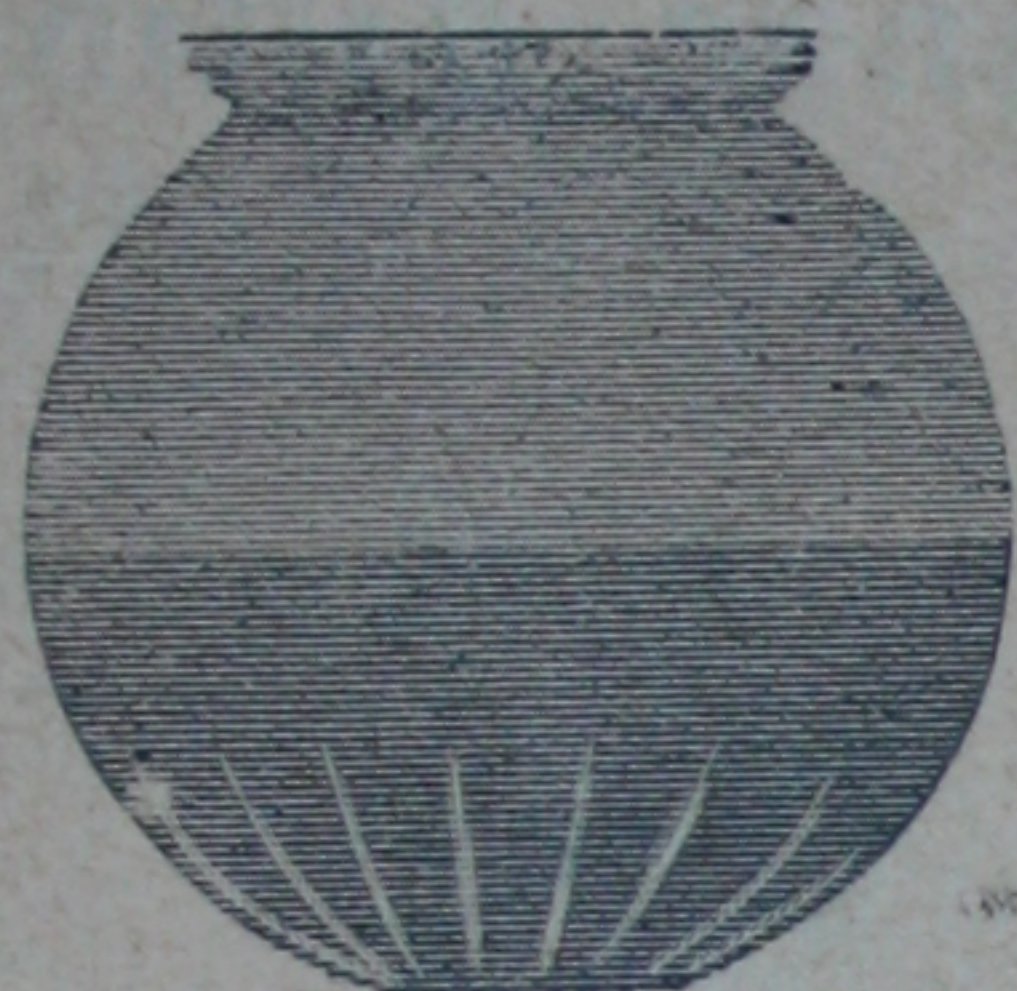
No. W1318.
Rose ... 3/6 each.

WELSBACH LIGHT

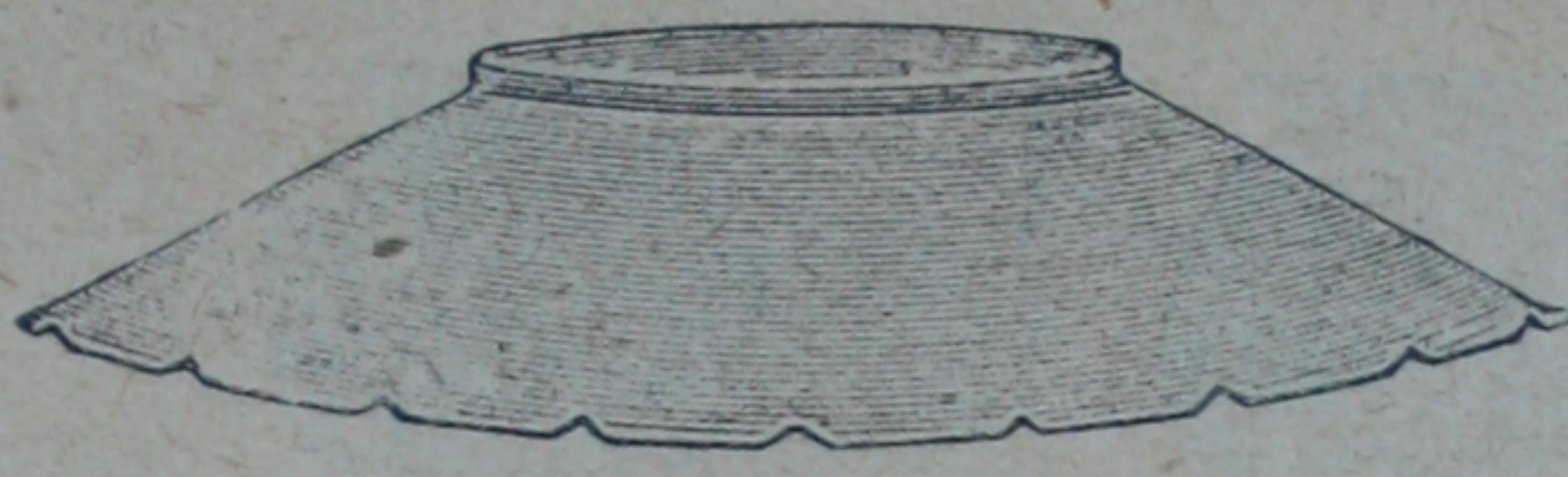
Globes and Shades for Medium-Size Inverted Burners. 2½-inch FLANGE FITTING.



No. W1795.
Clear Fluted Optic, with
collar for Shade,
4/6 per doz.
No. W1796.
Ditto, Obscured,
6/6 per doz.



No. W1797.
[Opal] and Clear Optic,
9/6 per doz.



No. W1798.
7½-inch Crimped Opal Shade, for Globes
(Nos. W1795 and W1796.
9/6 per doz.)



No. W2502.
Ruby Manography,
Green
14/6 per doz.



No. W2573.
Ruby Manography,
Green
17/6 per doz.



No. W2587.
Ruby Manography,
Green
17/6 per doz.



No. W2647.
Ruby Manography,
Green
17/6 per doz.



No. W2617.
Crystal Etched,
15/6 per doz.



No. W2592.
Crystal Etched,
15/6 per doz.



No. W2630.
Crystal Plastic,
19/6 per doz.



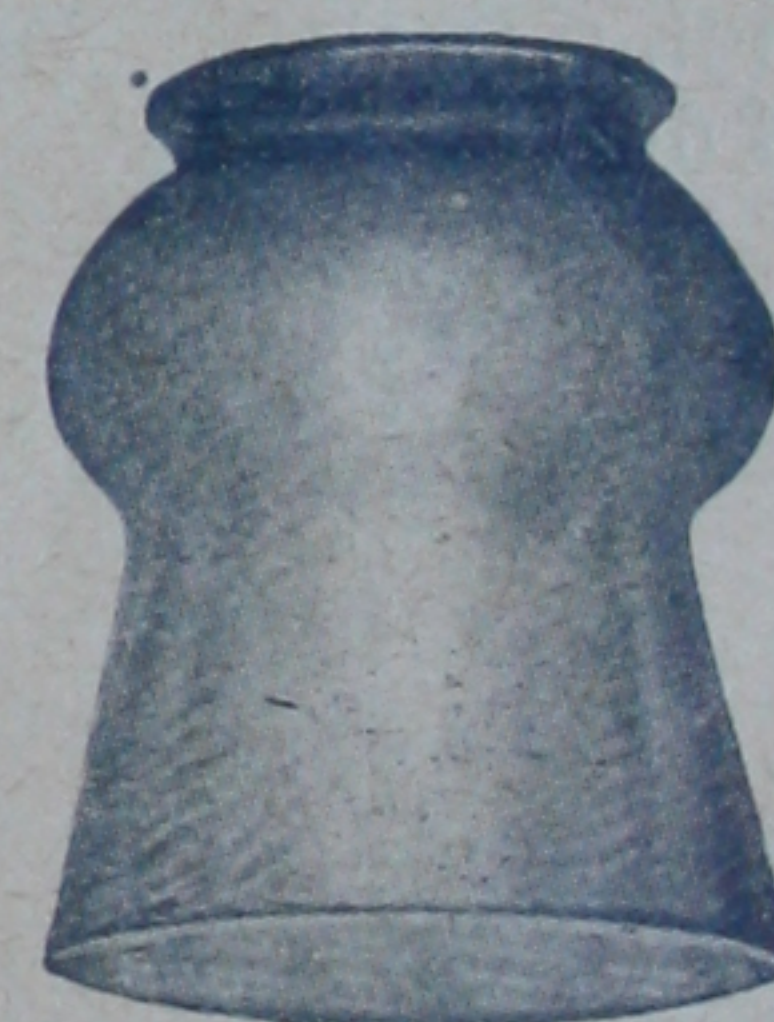
No. W2632.
Crystal Etched,
15/6 per doz.
Green or Ruby Etched,
19/6 per doz.



No. W2633.
Crystal Etched,
15/6 per doz.
Ruby, Green, or Yellow
Etched, 19/6 per doz.



No. W2636.
Crystal Etched, 15/6 per doz.
Ruby, Green, or Yellow
Etched, 19/6 per doz.



No. W2742.
English Glass.
Clear Straw
Opalescent,
16/6 per doz.
Satin Finish
Opalescent,
20/6 per doz.

FINEST ENGLISH GLASS.



No. W2740.
Crystal, Satin Finish,
18/6 per doz.
Opalescent, Satin
Finish, 20/6 per doz.
Opalescent, Clear
Finish, 16/6 per doz.



No. W1799.
Opalescent, Satin Finish,
Etched, 30/6 per doz.
Ruby, Satin Finish, Etched,
30/6 per doz.
Green, Satin Finish, Etched,
30/6 per doz.



No. W1800.
Crystal, Satin Finish, Etched,
27/6 per doz.
Opalescent, Satin Finish,
Etched, 30/6 per doz.



No. W1801.
Opalescent, Satin Finish,
25/6 per doz.
Crystal, Satin Finish,
24/6 per doz.



No. W1802.
Crystal, Satin Finish,
20/6 per doz.
Opalescent, Satin Finish,
23/6 per doz.

WELSBACH LIGHT

Bijou Inverted Globes and Shades. Flange Fitting, 1 $\frac{7}{8}$ -inch.



No. W1119.
Clear Flint ... 2/6 doz.
Obscured ... } 4/-
Opal



No. W1266.
Clear, 5/- per doz.
Satin, Obscured,
7/6 per doz.



No. W1742.
Opal and Flint,
7/6 per doz.



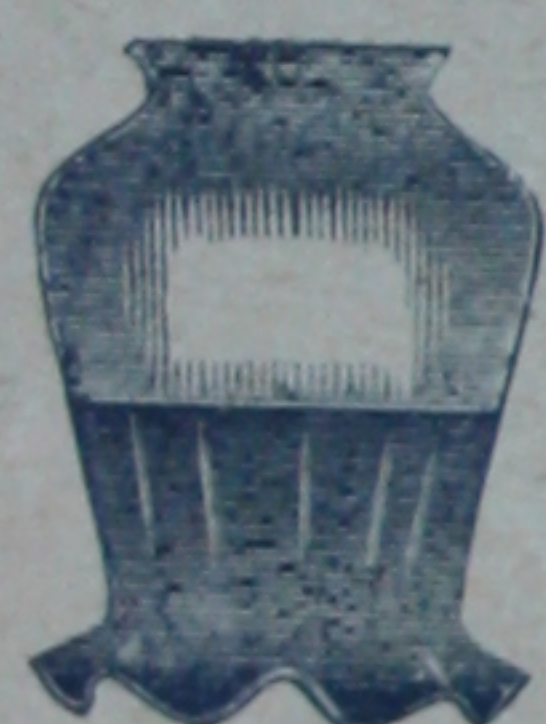
No. W1265.
Opal and Flint, Optic,
7/6 doz.



No. W1263.
Opal and Flint, Optic,
9/6 doz.



No. W1441.
Opal and Flint, Optic,
9/6 doz.



No. W1549.
Opal and Flint, Optic,
9/6 doz.



No. W1440.
Clear Optic Globe,
5/- per doz.
Opal Shade, 4/6 per doz.
Complete Set,
9/6 per doz.



No. W1545.
Opal Shade, 6/6 per doz.
Optic Clear Globe,
4/- per doz.
Complete Set,
10/6 per doz.



No. W1278.
Opal Shade, 6/6 per doz.
Clear Optic Globe,
4/6 per doz.
Complete Set,
11/- per doz.



No. W1277.
Opal Shade, 6/6 per doz.
Clear Optic Globe,
4/6 per doz.
Complete Set,
11/- per doz.



No. W1547.
Opal Shade, 6/6 per doz.
Opalescent Globe,
6/6 per doz.
Complete Set,
13/- per doz.



No. W1551.
Manography, Crystal,
9/- doz.
Manography, Aurora,
12/- doz.



No. W1554.
Manography, Crystal,
9/- doz.
Manography, Green,
12/- doz.



No. W1453.
Crystal, Etched,
12/- doz.



No. W1555.
Crystal, Etched,
11/- doz.
Etched, Green,
14/- doz.



No. W1556.
Etched, Crystal,
11/- doz.
Etched, Yellow,
14/- doz.



No. W1557.
Etched, Crystal,
11/- doz.
Etched, Ruby,
14/- doz.



No. W1558.
Etched, Crystal,
11/- doz.
Etched, Aurora,
14/- doz.



No. W1255.
Crystal, Etched,
12/6 doz.
Green, Etched,
15/- doz.



No. W1256.
Crystal, Etched,
12/6 doz.
Aurora, Etched,
15/- doz.

WELSBACH LIGHT

Bijou Inverted Globes and Shades. Flange Fitting, $1\frac{7}{8}$ -inch.



No. W1271.
Aurora, Etched, **13/6** doz.



No. W1272.
Rose, Etched, **13/6** doz.



No. W1270.
Aurora, Etched, **13/6** doz.



No. W1259.
Rose, Etched, **14/-** doz.



No. W1135.
Ruby, Etched, **14/-** doz.



No. W1454.
Green, Etched, **15/-** doz.



No. W1456.
Ruby, Etched, **15/-** doz.



No. W1257.
Rose, Etched, **16/-** doz.



No. W1449.
Aurora, Etched, **16/-** doz.



No. W1450.
Reseda, Etched, **16/-** doz.



No. W1451.
Ruby, Etched, **16/-** doz.



No. W1452.
Yellow, Etched, **16/-** doz.



No. W1273.
Rose, Pantography, **17/-** doz.



No. W1274.
Yellow, Pantography, **17/-** doz.



No. W1121.
Opal, Cut Stars, **20/-** doz.



No. W1300.
Bright Straw
Opalescent,
12/- doz.
English Glass.



No. W1301.
Satin Finish,
Straw Opalescent,
24/- doz.
English Glass.



No. W2745.
Clear Opalescent... **10/6**
Crystal Satin **12/6**
Opalescent Satin... **15/-**
English Glass.



The Gem "Pyrophane"
Globe and Inner Chimney
No. W1467. Clear Optic,
9/- doz.
No. W1468. Satin Optic,
11/3 doz.



No. W1469.
The Gem "Pyrophane"
Globe and Inner Chimney
Crystal, Etched,
13/6 doz.



No. W1469A.
Renewal Inner
Chimney for
Gem "Pyrophane"
Globe.
3/- doz.

WELSBACH LIGHT

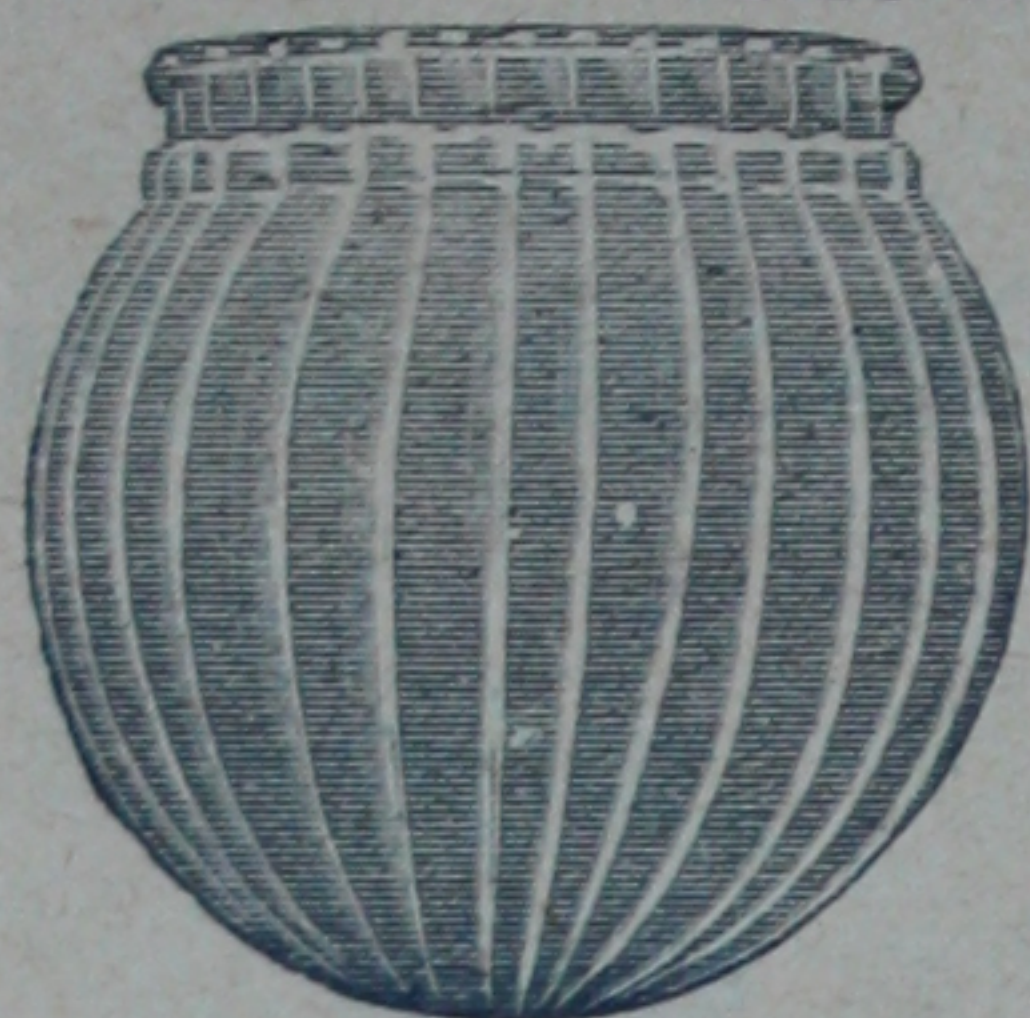
Globes and Shades for Welsbach Aurora Lamps (Page 26).

(Also fit Graetzin and similar types of Lamps).



No. W1803.
Plain, Clear ... 4/6 doz.

No. W1804.
Plain, Opal ... 4/6 doz.
4/- doz. by 2 gross case.



No. W1527.
Optic, Clear, 5/- doz.
No. W1528.
Optic, Obscured, 7/6 doz.



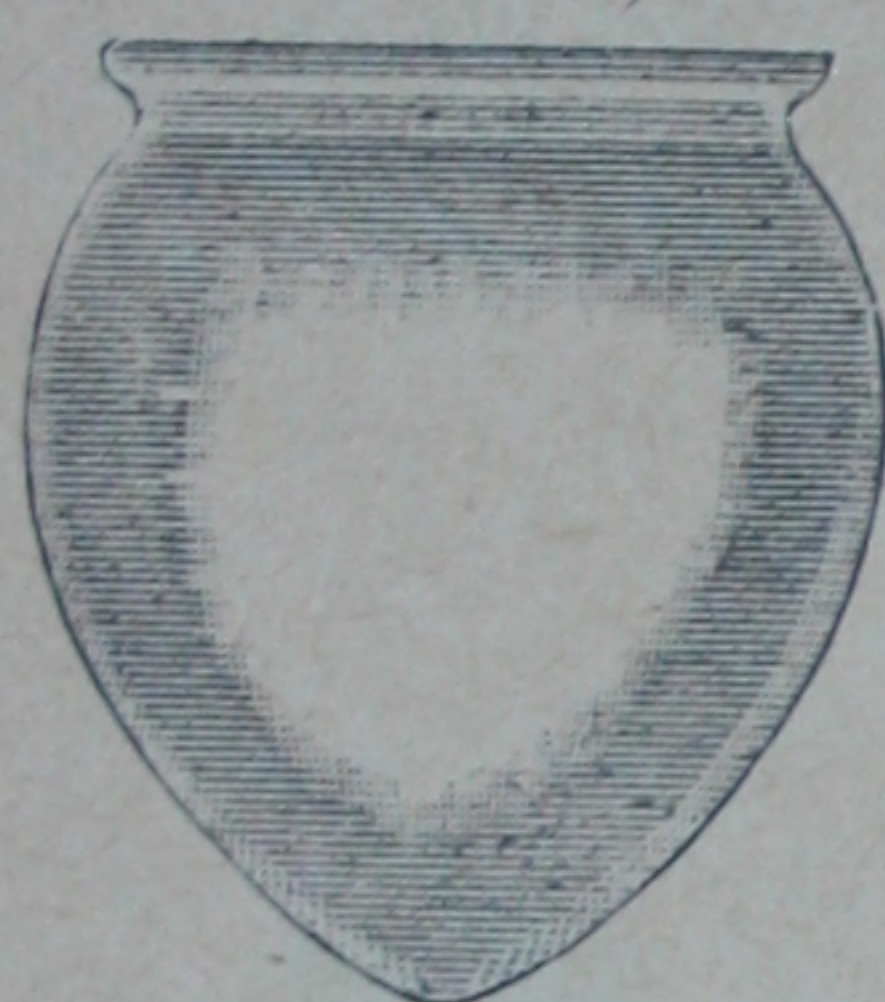
No. W1604.
Optic, Clear, 5/- doz.



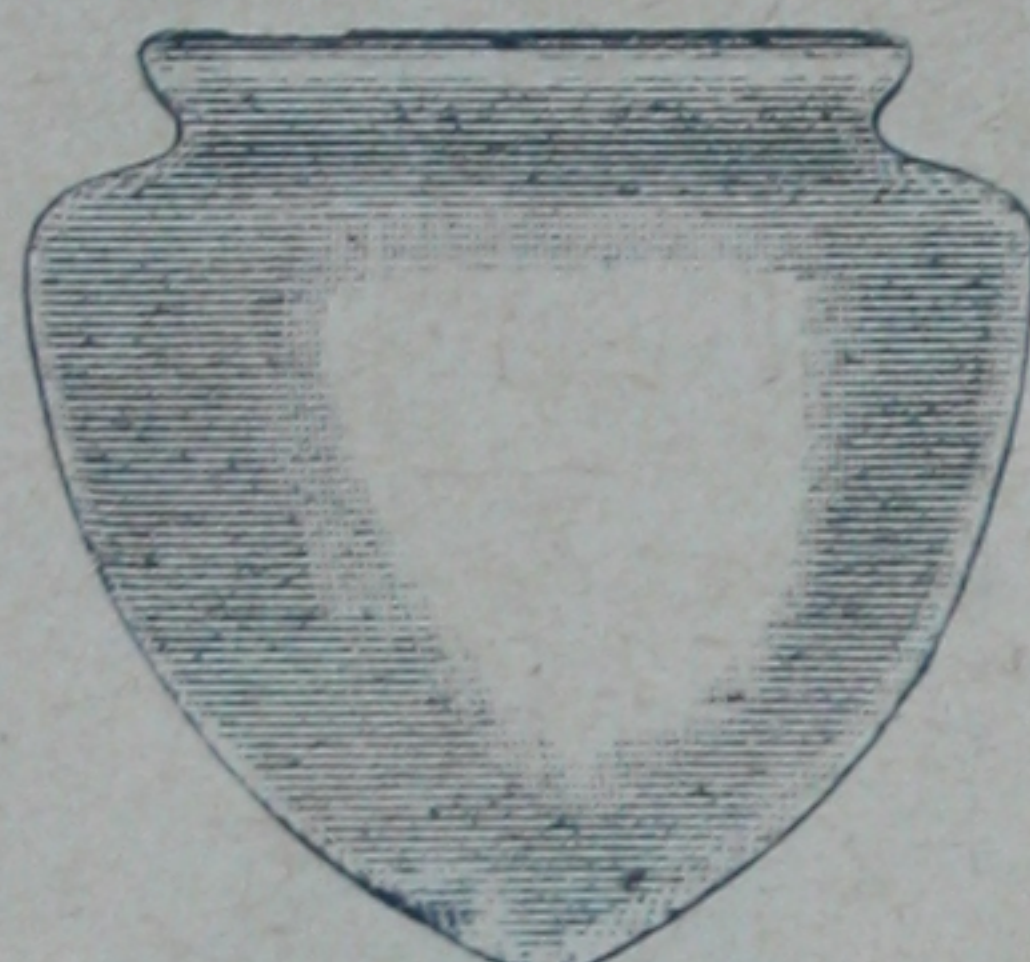
No. W1529.
Optic, Clear, 5/- doz.



No. W1530.
Optic, Obscured, 7/6 doz.



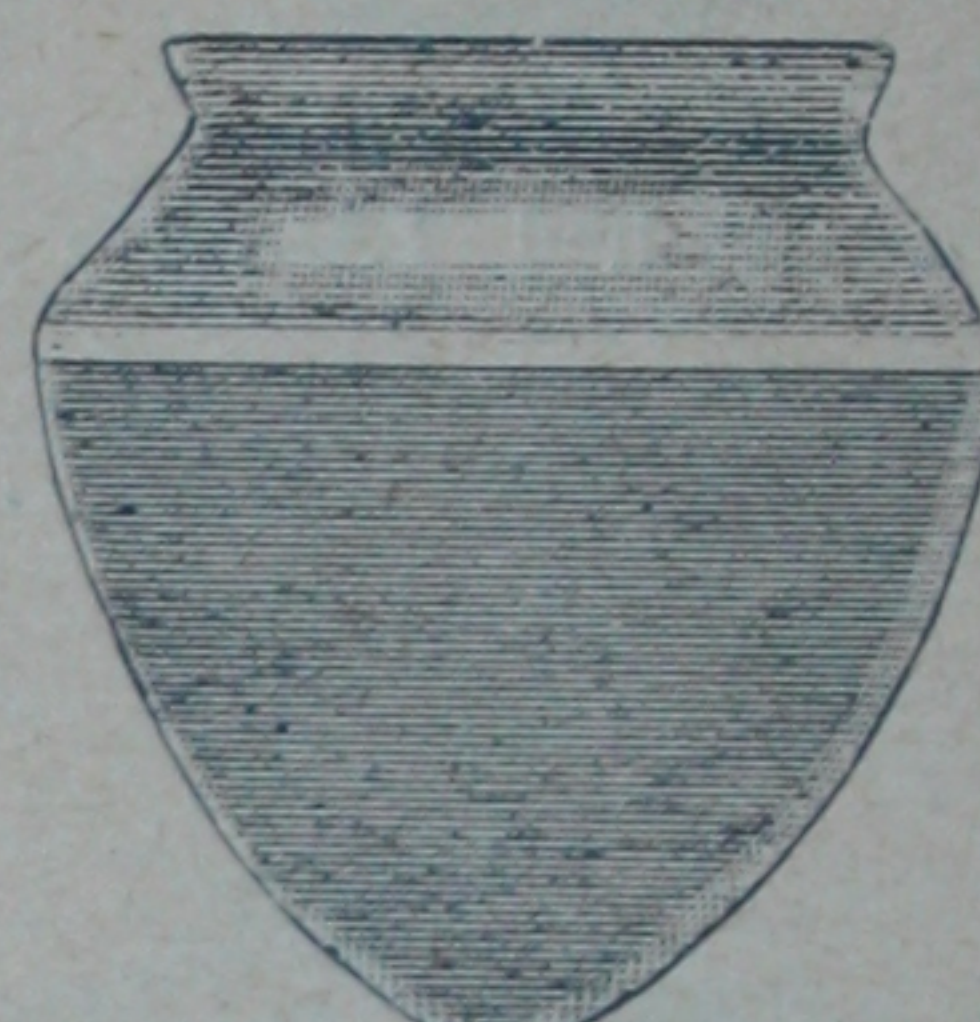
No. W1534.
Opaline, 5/6 doz.



No. W1535.
Opaline, 7/- doz.



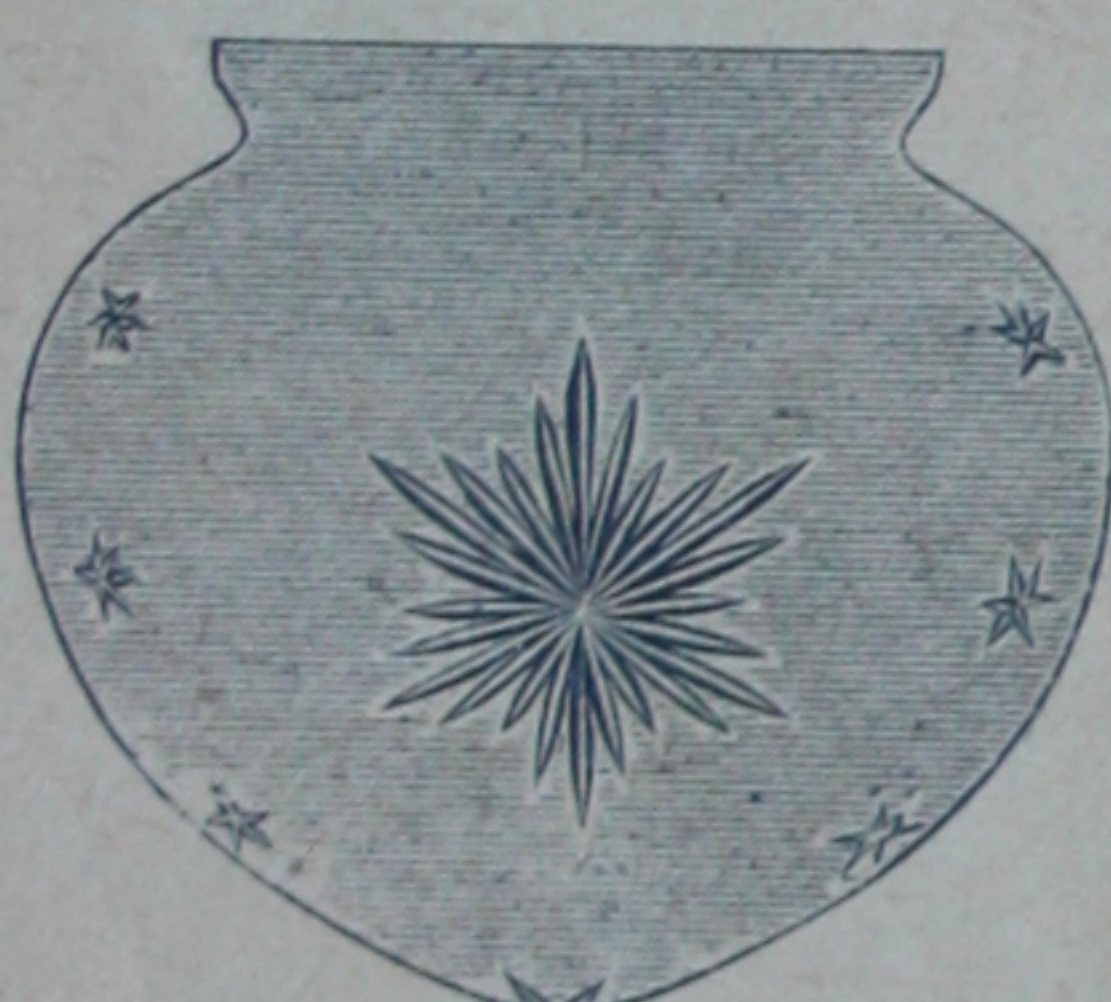
No. W1532.
Opal and Flint, 10/6 doz.



No. W1533.
Opal and Flint, 10/6 doz.



No. W1606.
Opal and Flint, Optic,
12/6 doz.



No. W1603.
Opal, Cut Stars, 22/- doz.



No. W1537.
Manography, Crystal, 9/- doz.



No. W1538.
Manography, Green, 12/- doz.
" Crystal, 9/- doz.



No. W1543A.
Etched, Crystal, 11/- doz.
" Ruby, 12/- "



No. W1542.
Etched, Green, 15/- doz.
" Crystal, 12/- doz.



No. W1539.
Etched, Ruby ... 15/- doz.
" Crystal 12/- doz.



No. W1540.
Etched, Green, 15/- doz.
" Crystal, 12/- doz.



No. W1541.
Etched, Ruby ... 15/- doz.
" Crystal 12/- doz.



No. W1619.
Etched, Crystal ... 12/- doz.
" Ruby ... 16/- doz.



No. W1531.
Opal Shade ... 8/6 doz.
Diamond Optic, Clear Globe 6/6 doz.
Complete Set ... 15/- doz.



No. W1544.
Shade Etched, Crystal, Painted ... 24/- doz.
Globe " " " ... 18/- doz.
Complete Set ... 42/- doz.

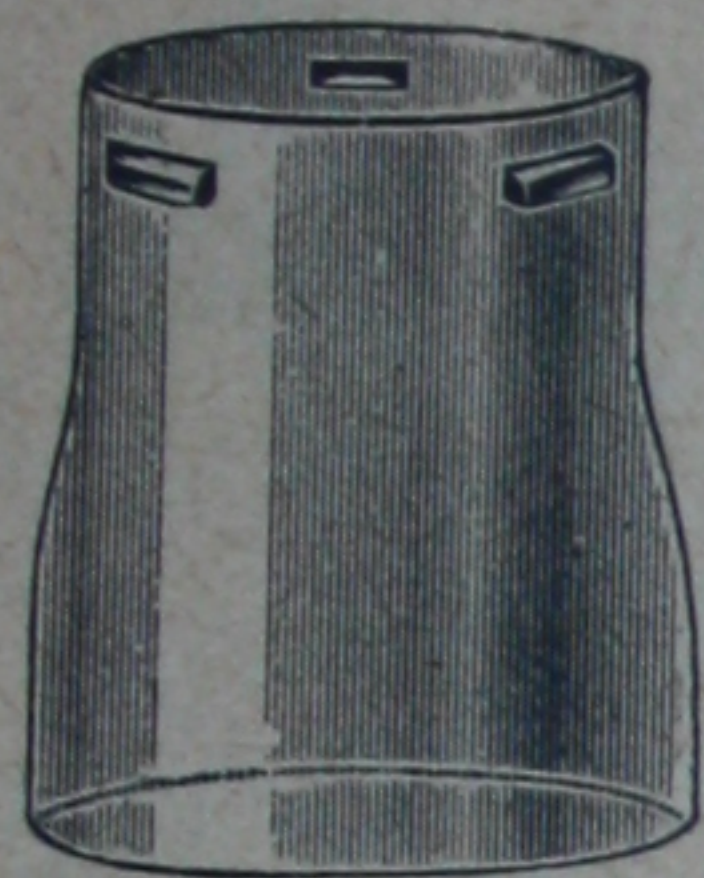


No. W791.
Jena Glass,
Opaline, 8/6 doz.
By case of 16 doz.
90/- gross.



No. W660. 4 1/2-in. diam.
Jena Glass,
Loose. By case of 30 doz.
Per doz. 1 gross.
Opaline 7/- 72/-
Clear 6/- 66/-
No. W660. E.I.
Wide Pears,
Opaline, 6/6 doz.
By case of 24 doz.
68/- gross.

WELSBACH LIGHT



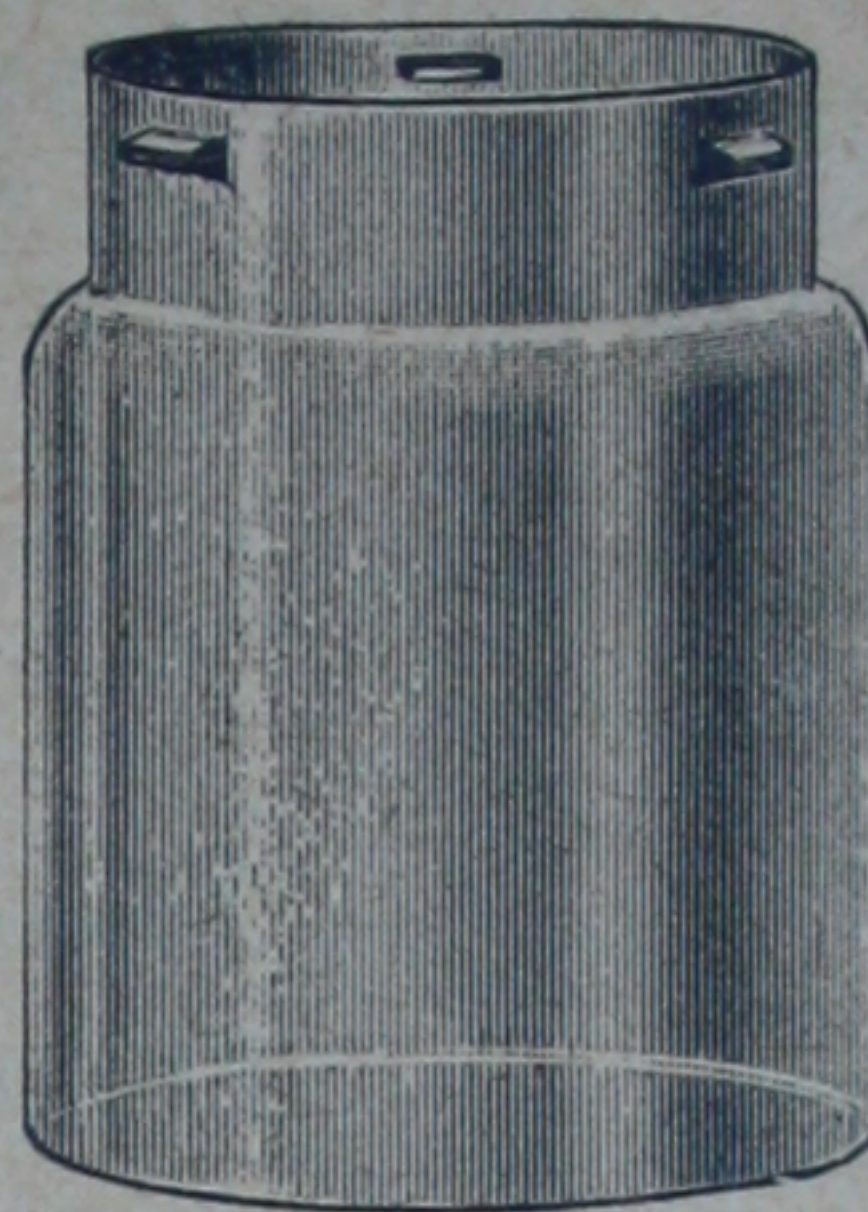
No. W721J. (Jena.)
Clear Inner Cylinder for
Indoor Lamp, **3/8** per doz.
By case of 6 gross,
35/- per gross.



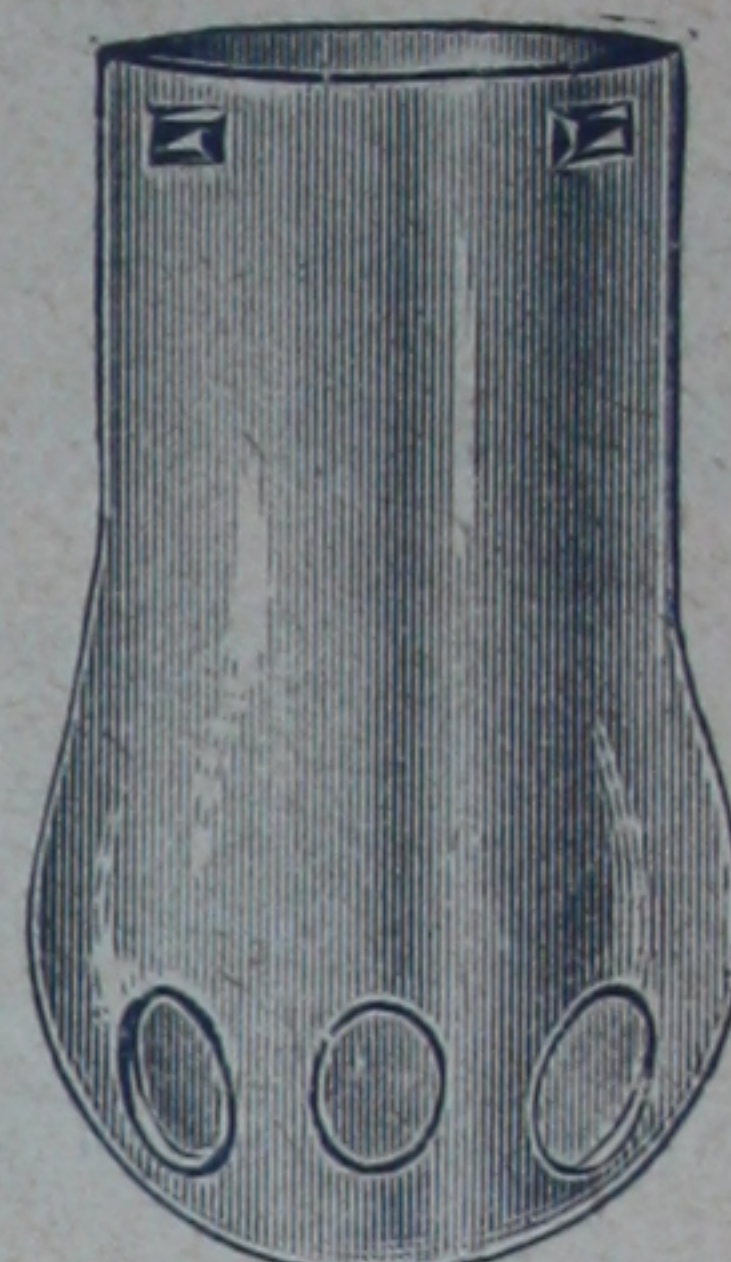
No. W1197J. (Jena.)
Clear Inner Cylinder for
Indoor Lamp, **3/8** per doz.
By case of 6 gross,
35/- per gross.



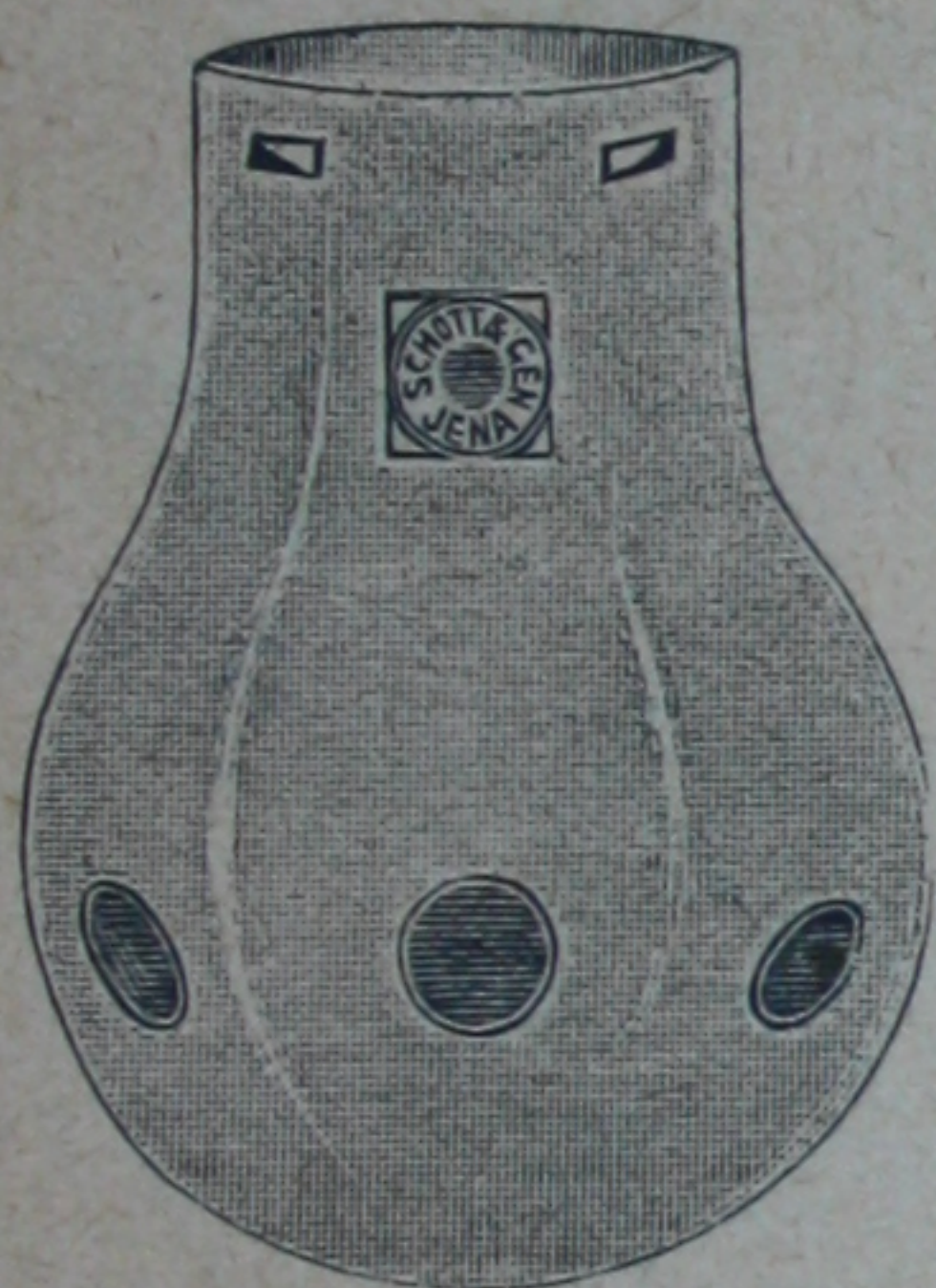
No. W829J.
2 1/2-in. fitting for
Outdoor Lamps,
4/- per doz.
41/- per gross.
By case of 4 gross.



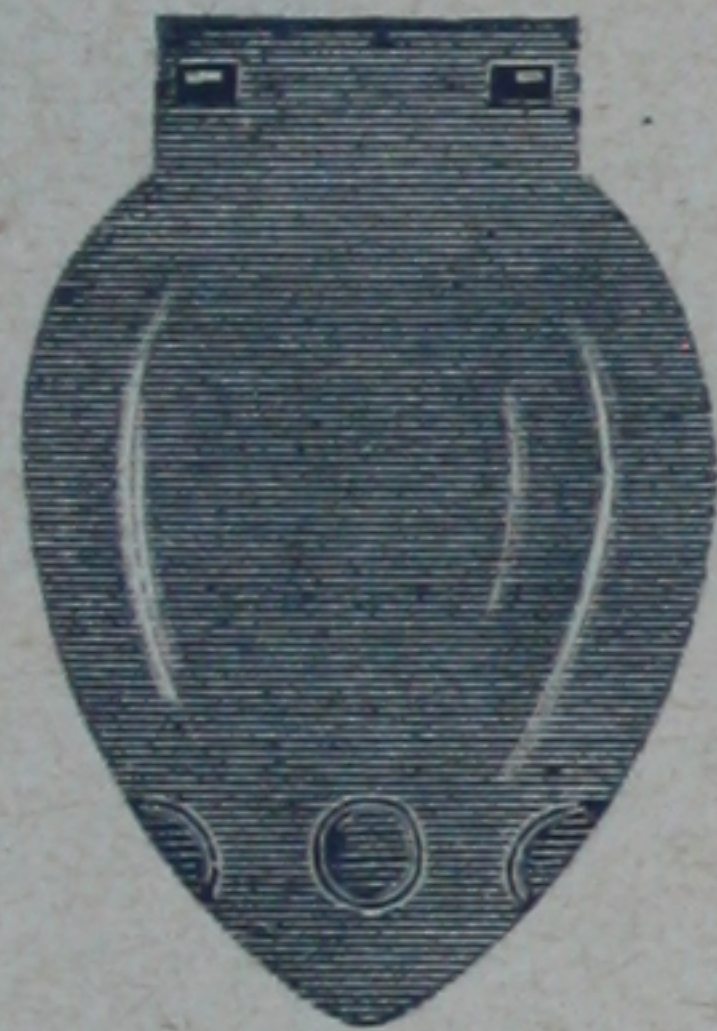
No. W1806.
For 1,000-c.p. Outdoor Lamps,
Pharos, Welsbach, Graetzin, &c
5/- per doz.
52/- per gross.
By 1-gross case.
Jena No. 1372J.



No. W766.
Jena Glass,
Clear Inner Bulb,
5/8 per doz.
By case of 3 gross,
58/- per gross.



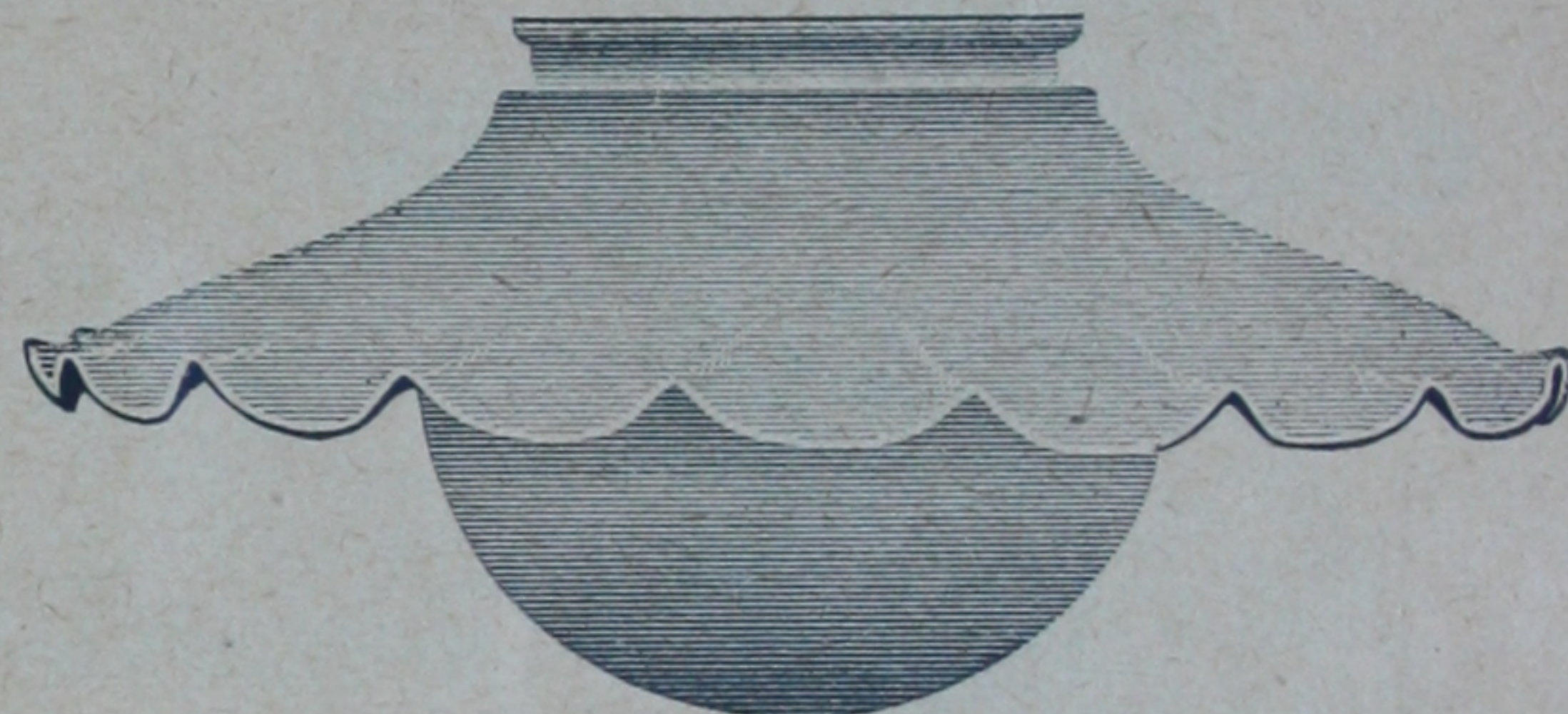
No. W1807.
Jena Glass,
Clear Bulb, with extra
large bulge for wide
bottom Shades,
7/6 per doz. **84/-** per gross.



No. W1808.
Clear Bulb, pear shape,
6/- per doz.
By case of 3 gross,
63/- per gross.



No. W1809.
Opaline Jena Shade to fit into Burner
and to take Bulbs Nos. 766, 1807 and 1808.
12/10 per doz.
By case of 16 doz., **10/8** per doz.



No. W1810.
Jena Opal Shade ... **12/6** per doz.
" Globe ... **6/4** "
Closed Globes for Welsbach 5119/20, Graetzin, &c.

GLASSWARE FOR ACETYLENE.

2 3/8-inch FLANGE FITTING.



No. W2592.
Crystal Etched, **15/-** per doz.



No. W2647.
Manography.
Ruby Tinted } **17/-**
Green " } per doz.



No. W2587.
Manography.
Ruby Tinted } **17/-**
Green " } per doz.



No. W2582.
Manography.
Ruby Tinted } **14/-**
Green " } per doz.



No. W2636.
Crystal Etched,
15/- per doz.
Ruby, Green or Yellow
Etched, **19/-** per doz.



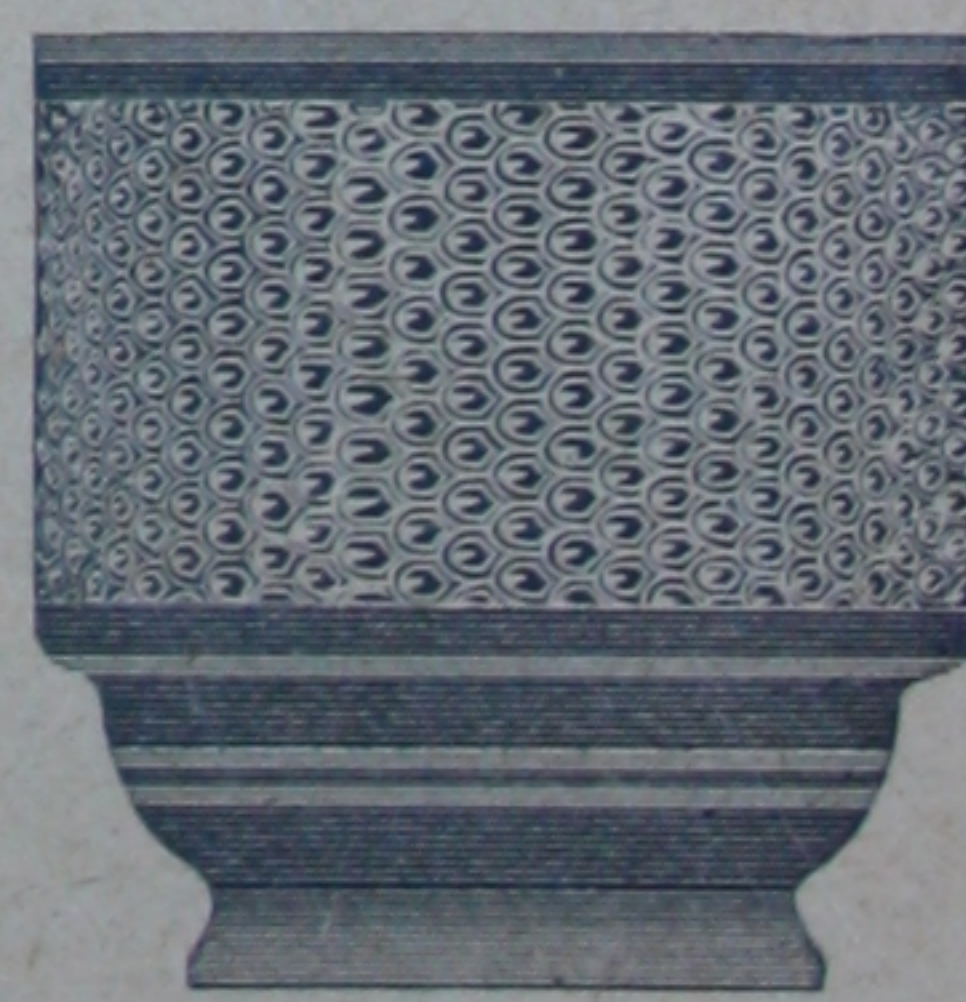
No. W2633.
Crystal Etched,
15/- per doz.
Ruby, Green or Yellow
Etched, **19/-** per doz.



No. W2632.
Crystal Etched,
15/- per doz.
Green or Ruby Etched,
19/- per doz.



No. W2630.
Crystal Plastic Etched,
19/- per doz.



No. W2739.
Crystal Etched,
20/- per doz.

WELSBACH LIGHT

PENDANT SHADES AND CUPS.



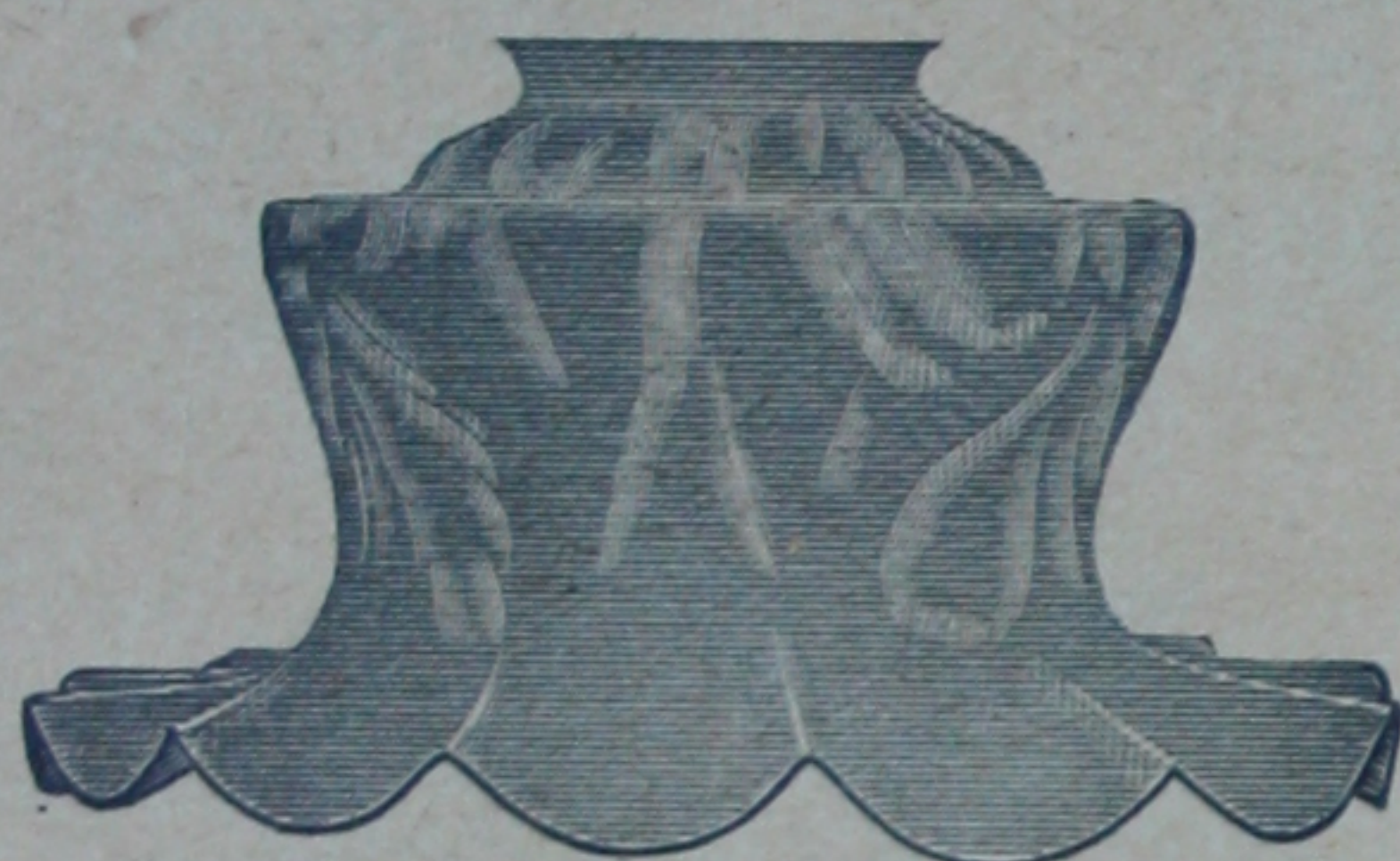
No. W1607. Green Tinted Manography
Shade, 3/- each.
Ditto Eye Screen, 1/3 each.



No. W1609. Claron Tinted and Moulded
Shade, 3/3 each.
Ditto Eye Screen, 1/4 each.

These Shades and Cups are 3 1/2 in. Flange
Fitting 10 in. Diameter, and are for use on
Pendants shown on page 117.

3 1/2 in. Flange Fitting. 12 in. Diameter.



No. W1284. Straw Opalescent, 4/- the set.
Shade only, 3/-



No. W1285. Straw Opalescent, 4/- the set.
Shade only, 3/-



No. W1286. Reseda or Ruby tinted, 4/- the set.
Shade only, 3/-



No. W1287. Reseda or Ruby tinted, 4/- the set.
Shade only, 3/-



No. W1288. Ruby, Reseda, or Aurora, etched,
5/4 the set. Shade only, 4/-



No. W1289. Reseda or Ruby tinted, etched,
5/4 the set. Shade only, 4/-



No. W1290. Reseda or Ruby tinted, etched,
5/4 the set. Shade only, 4/-

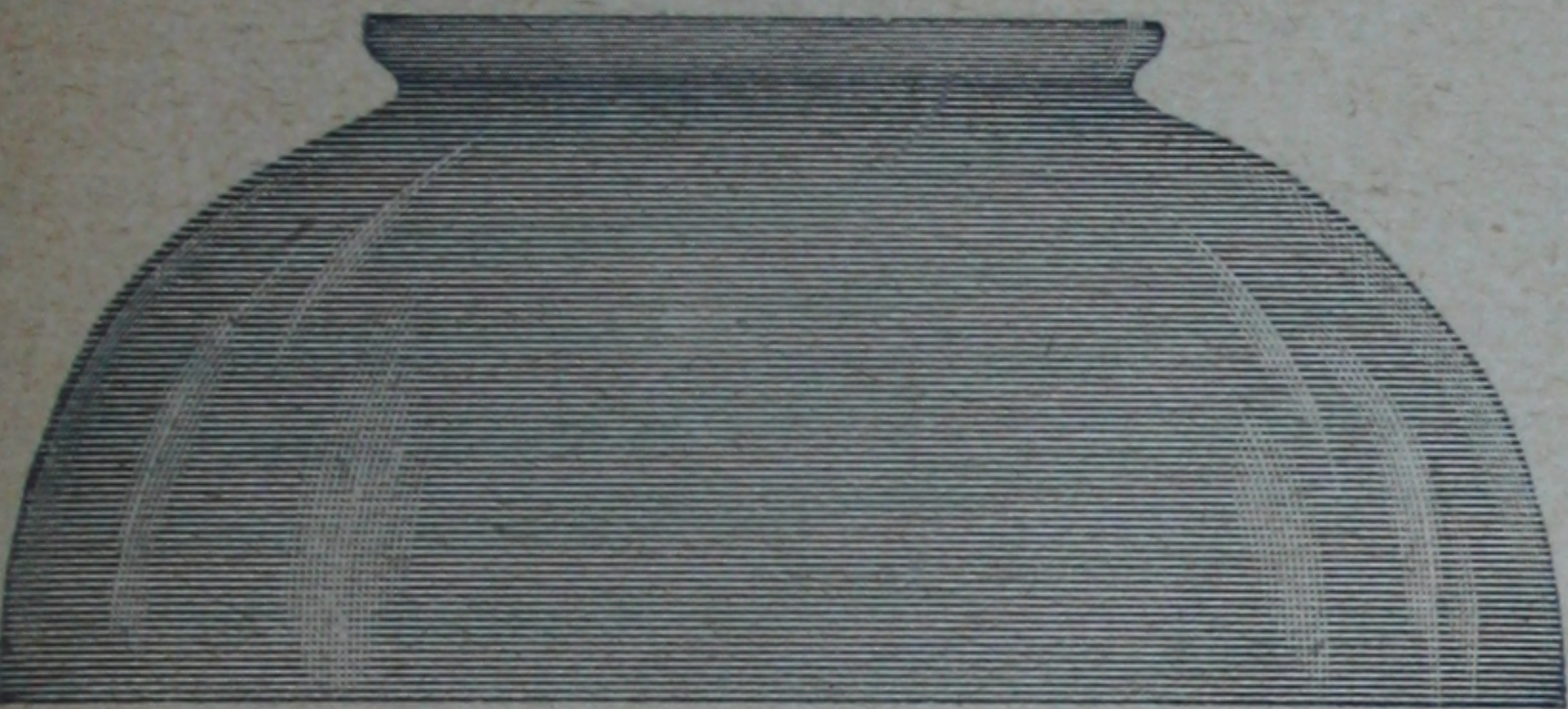
These Shades are for use with
Fittings, as shown on page 85.



No. W1291. Reseda or Ruby tinted, etched,
5/4 the set. Shade only, 4/-

WELSBACH LIGHT

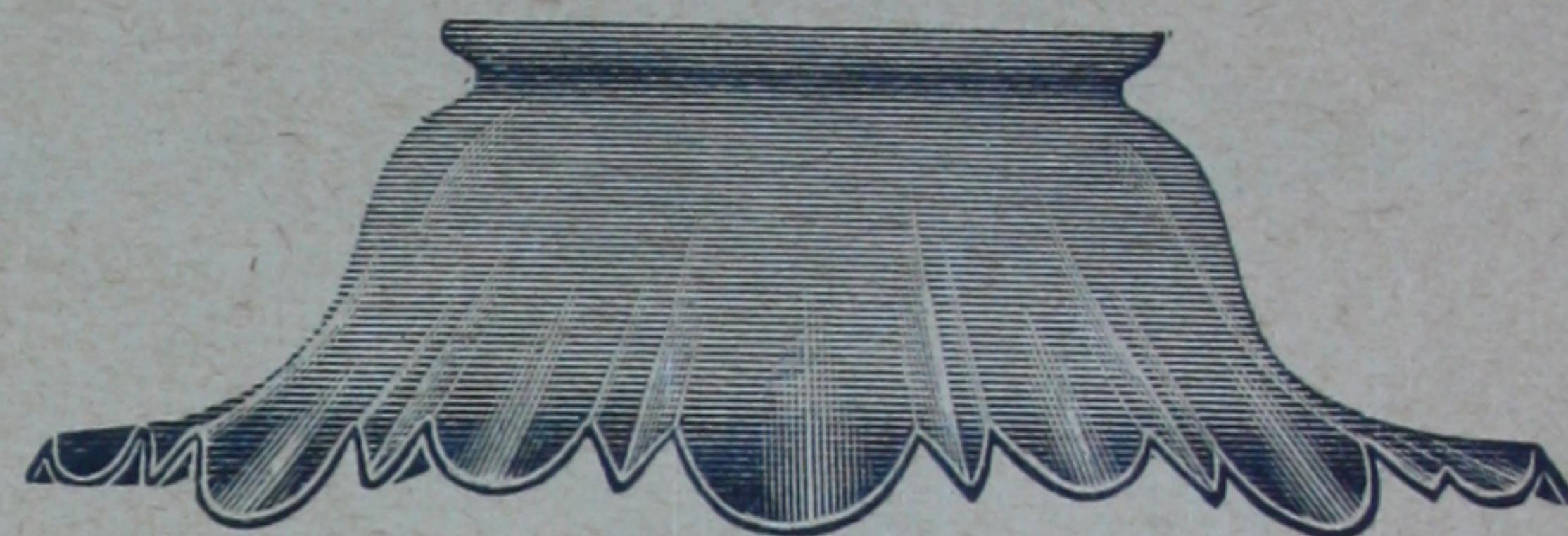
SHADES AND REFLECTORS.



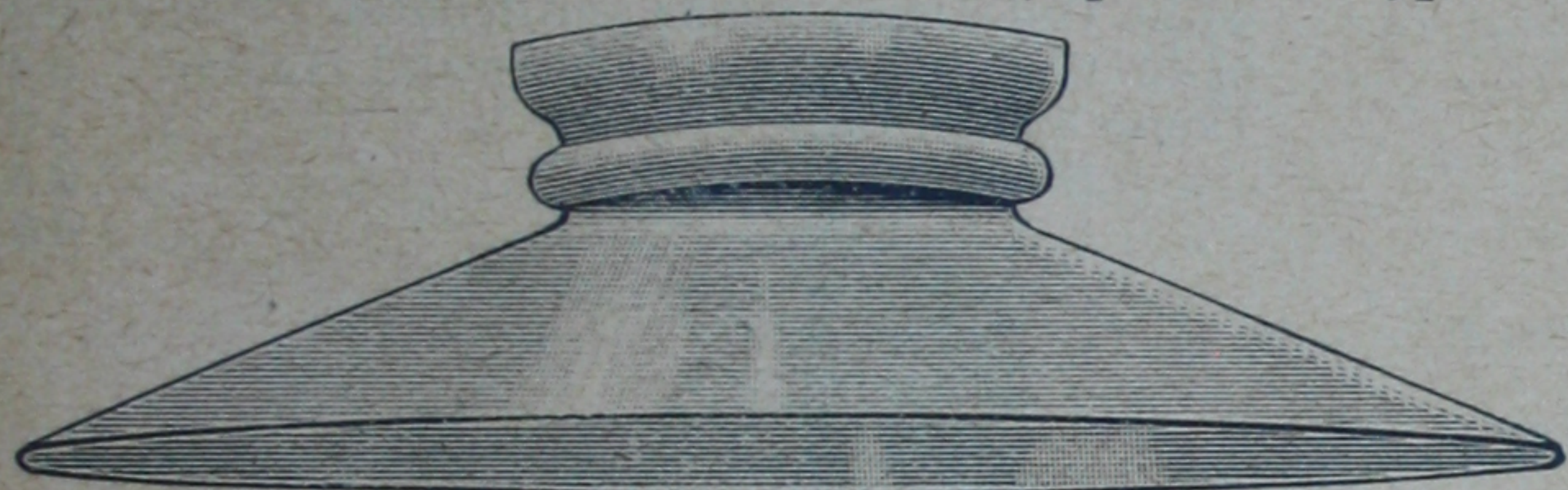
No. W5133. Plain Opal Pendant Shade.
14-in. x 7-in. flange. 16-in. x 8-in. flange.
42/- per doz. 54/- per doz.
4-doz. case 36/- per doz. 2-doz. case 48/- per doz.



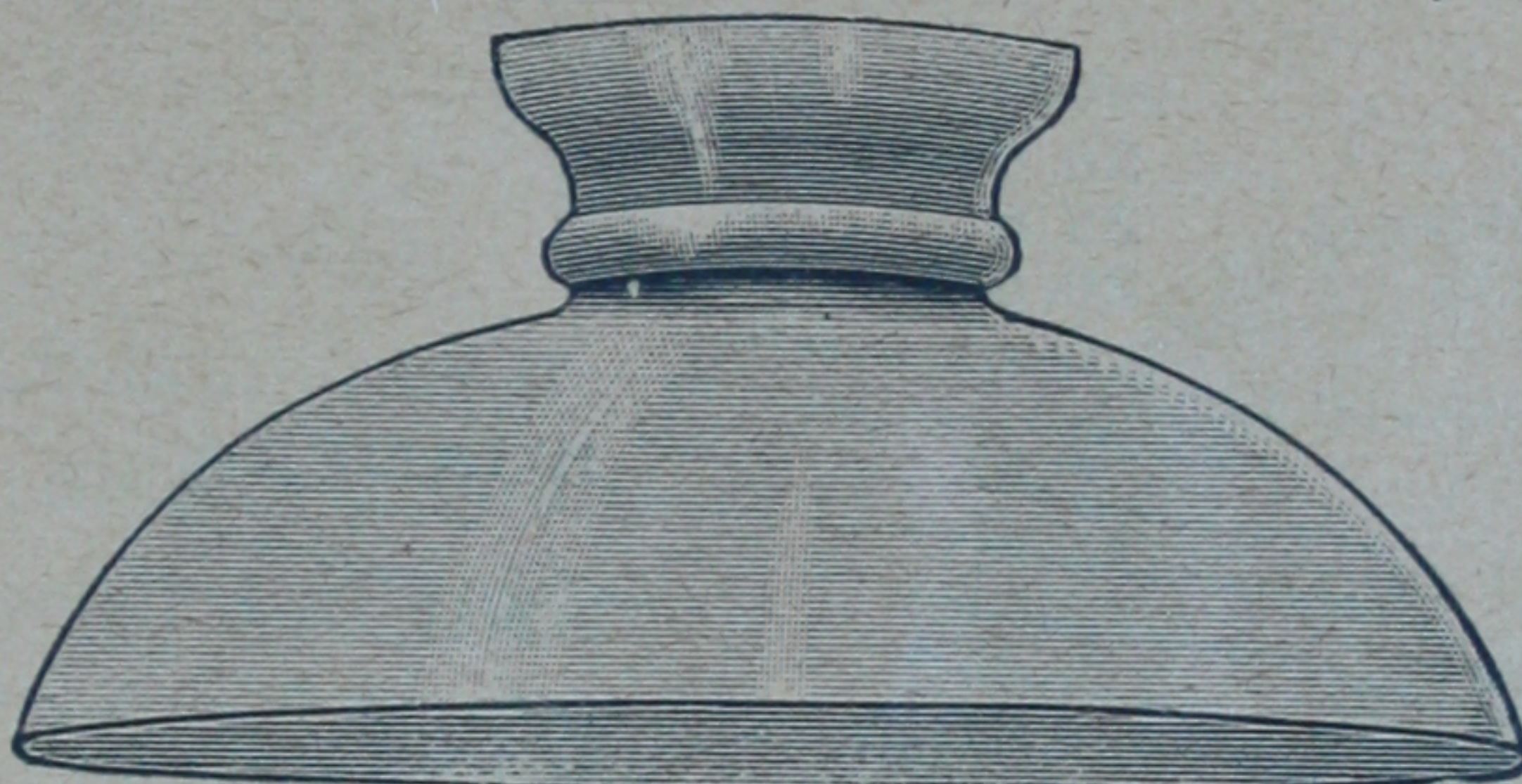
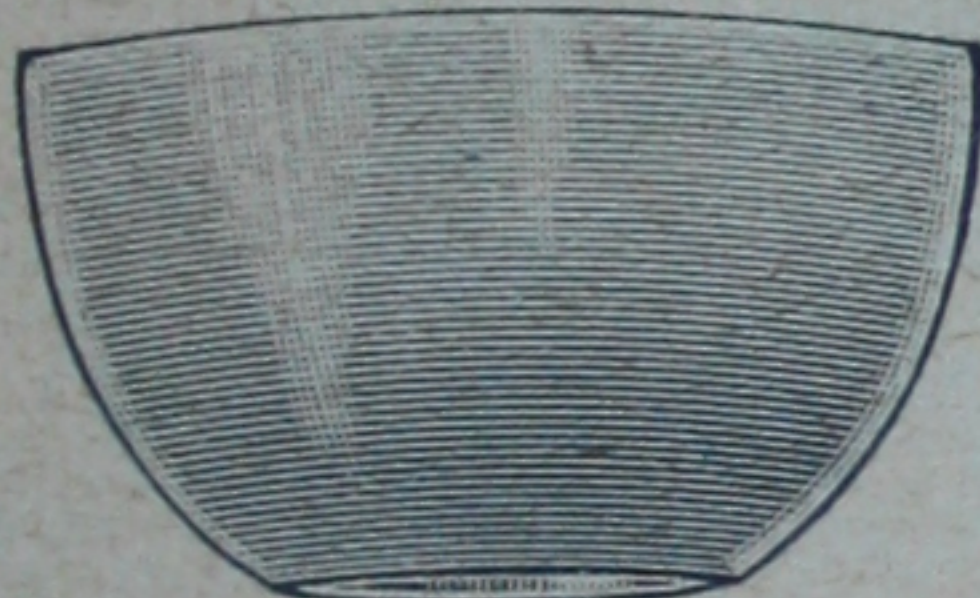
No. W5070. Opal Dome Shade.
9½-in. 18/-, 12-in. 24/-, 14-in. 48/- per doz.
Original Case Lots—
9½-in. 15/-, 12-in. 19/-, 14-in. 36/- per doz.



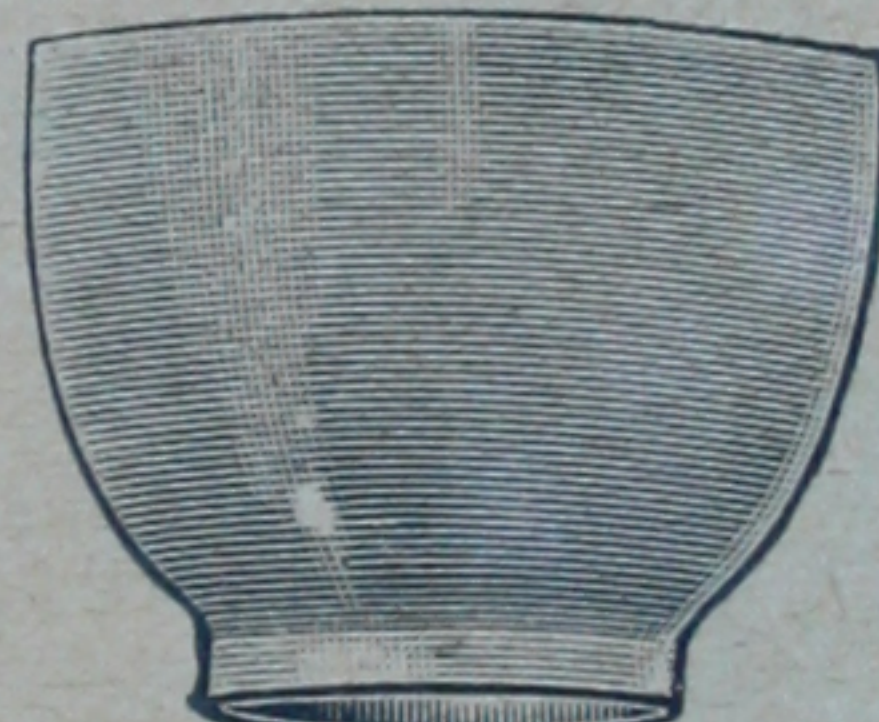
No. W5134. Opal Crimped Pendant Shade.
14-in. x 6-in. flange } Loose. Case.
14-in. x 7-in. " } 36/- doz. 30/- doz.
16-in. x 8-in. " } 48/- " 40/- "
14-in. 4-doz. case, or 16-in. 3-doz. case.



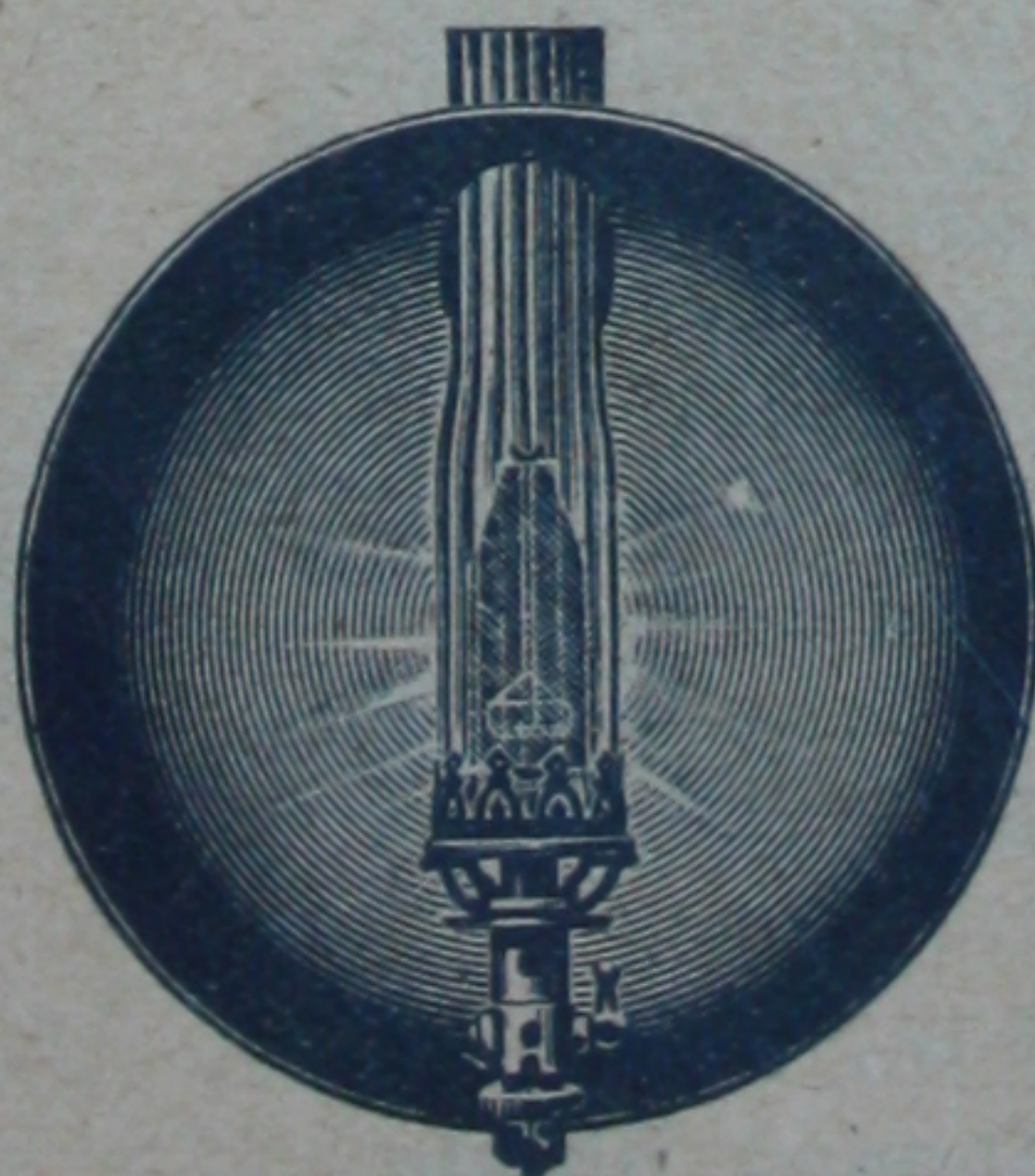
No. W5069.
11½-in. Opal Boston Shade only, 12/- per doz.
By case of 8 doz., 11/- per doz.
8½-in. Gem Opal Boston Shades, 12/- per doz.
Opal Boston Cups for C or Gem, 5/- per doz.



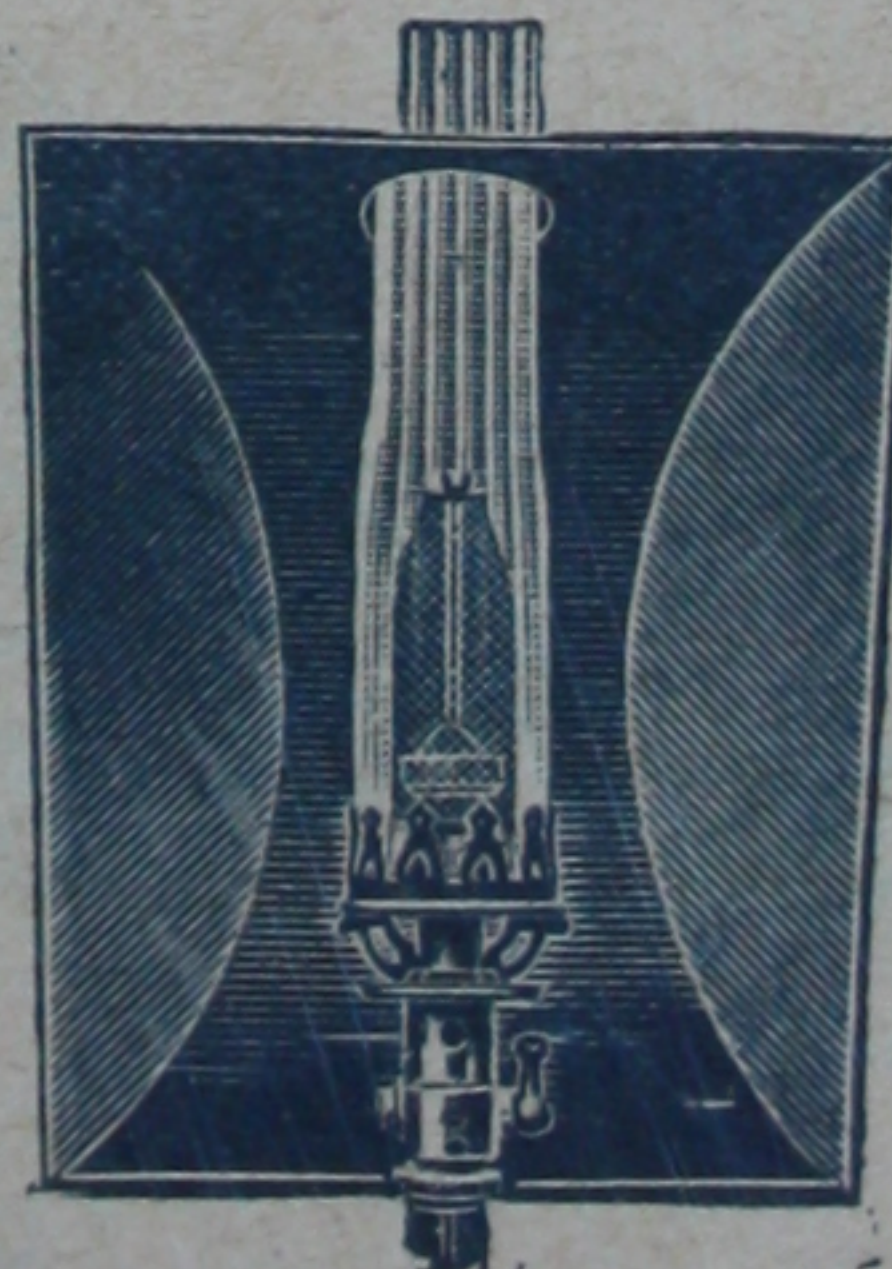
No. W5073.
Opal Cosmos Shades ... 10-in. 12-in.
10/6 12/- per doz.
" in original cases of } 9/6 11/- "
8 doz.
8½-in. Opal Cosmos Shades for Gem/Burner,
10/- per doz.
Opal Cosmos Cups to fit Gem or C Burner,
5/- per doz.



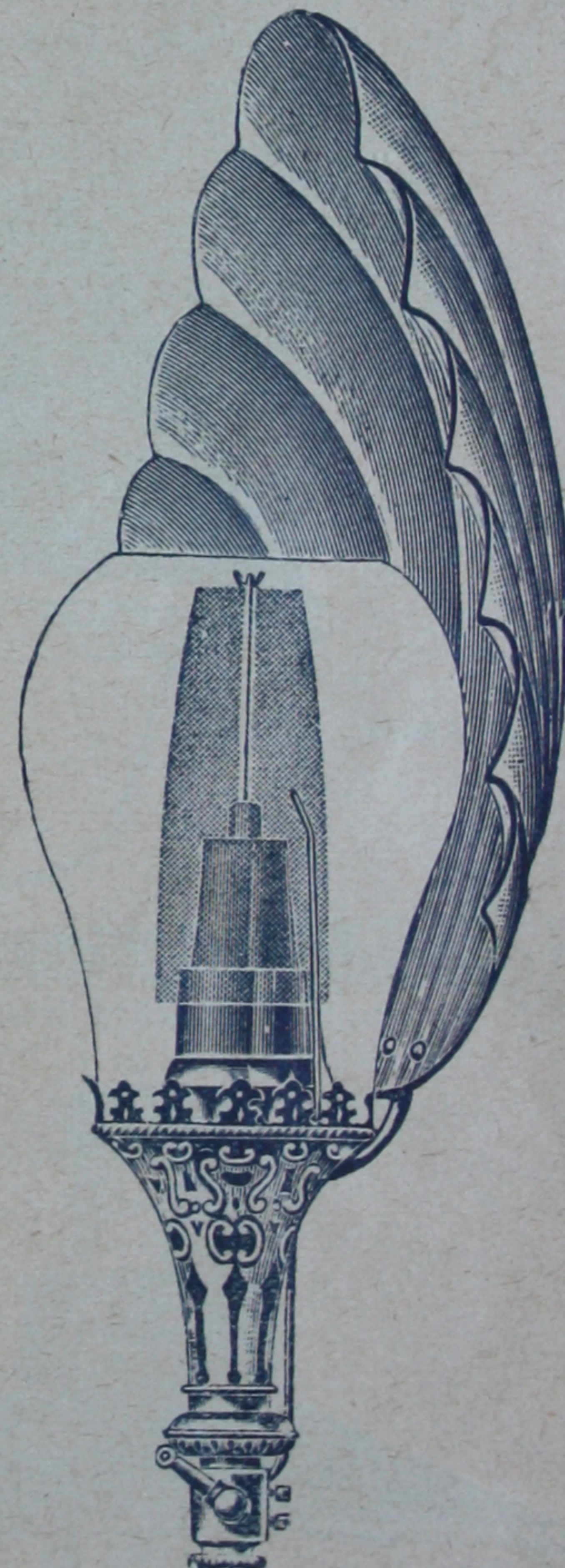
No. W83.



No. W5088.
The Deal.
11½-in. Silvered Reflector,
with support to fit
"C" Burner,
Price 12/- each.



No. W5086.
The Sheerness.
Silvered Reflector,
12-in. by 9-in.,
to fit "C" Burner,
Price 12/- each.



No. W5087.

Shell Reflector.
Enamelled White.

10½-in. by 7-in., for throwing a
powerful light on goods in
shop windows, pictures, etc.

Price with holder to fit on

No. 2 or No. 3 Kern Burner 3/4 each.

No. 4 4/- each.

Diameter of Shade For Kern Burner	8½-in. No. 1	10-in. 2	12-in. 3	12-in. 4
Holders only ...	1/4	1/4	1/8	1/8 each.
Opal Shades ...	10d.	10½d.	1/-	1/- "
Eye-screen ...	5d.	5d.	5d.	5d. "

For Kern Burners without Chimney Hole
same prices.

BURNERS EXTRA.

WELSBACH LIGHT

Globes and Shades

For WELSBACH BURNERS.



No. W5069.

11½-in. Opal Boston Shade and Holder	per doz.	20/6
8½-in. "Gem" Boston Shade and Holder	with cup	25/6
Opal Cup for "C" or "Gem"		5/-
Holder only for "C" or "Gem" (Special for Eye Screen)		8/6
11½-in. Shade only		12/-
" " in Original Cases of 8 doz.		11/-



No. W5070.

9½-in. Opal Dome Shade and Holder	per doz.	28/-
9½-in. Green Opal Dome Shade and Holder		64/-
Dome Holder only		10/-
" Shade, 12-in.		24/-
" " 14-in.		48/-

BURNERS
AND
MANTLES
EXTRA.



No. W5072.

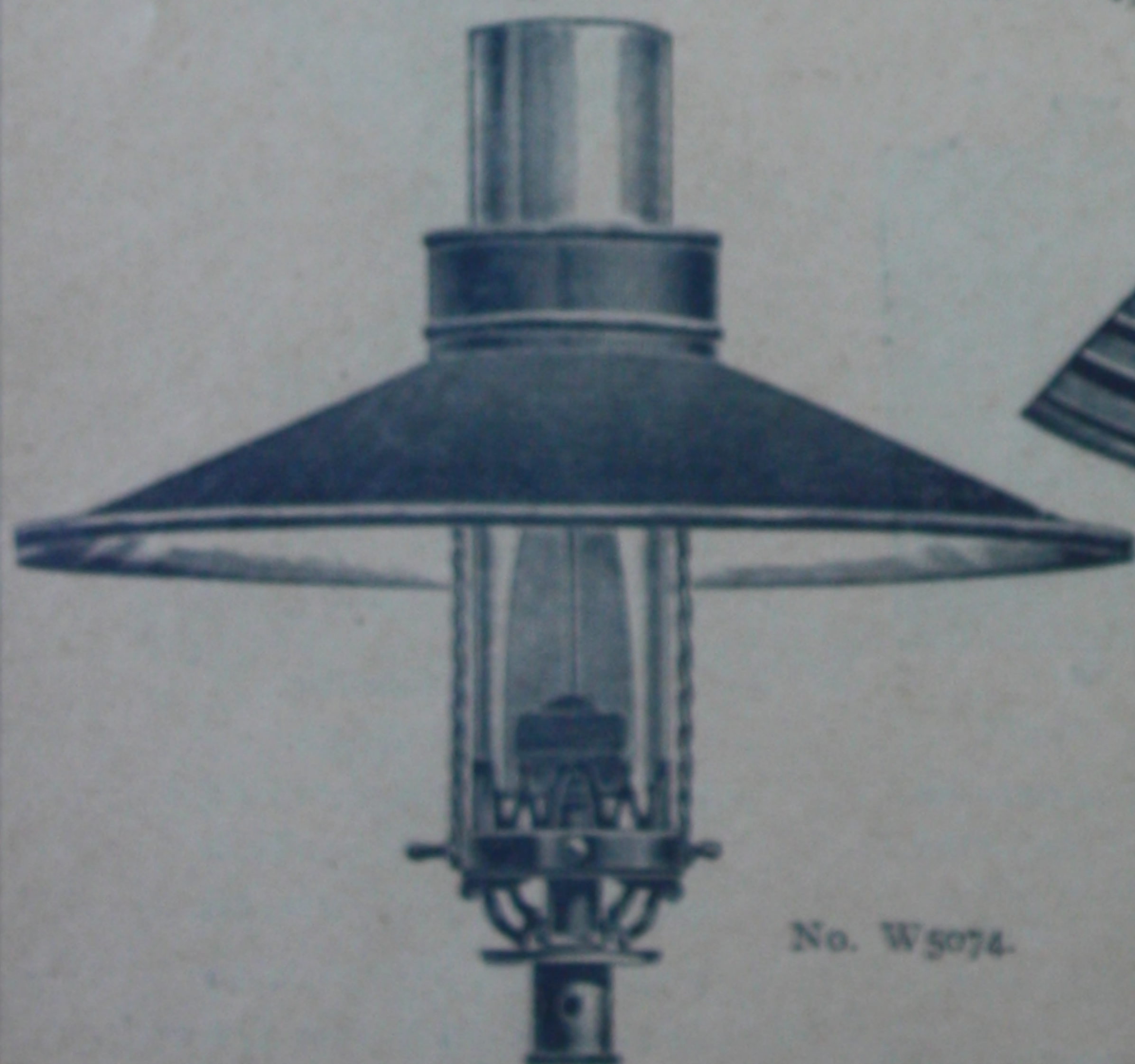


No. W5073.

Enamelled Iron Shades and Holders.
Suitable for Desks, Workshops, &c.

10-in. Enamelled Iron	3/6 each.
12-in. " "	4/6 "

8½-in. Opal Cosmos Shade and Holder for "Gem" Burner	} 22/-
12-in. Opal Cosmos Shade and Holder for "C" Burner	
Opal " " & Cup for "C" or "Gem"	27/-
Opal Cosmos Cup for "C" or "Gem"	5/-
Cosmos Holder for "C" or "Gem"	10/-
" Shade only, 8½-in. or 12-in.	12/-
" " in Original Cases of 8 doz., 12-in.	11/-



No. W5074.



No. W5075.

12-in. Green
Cardboard Shade
with Mica Top.
Price complete with Wire
Holders, 10/- per doz.
Extra Holders,
2/6 per doz.

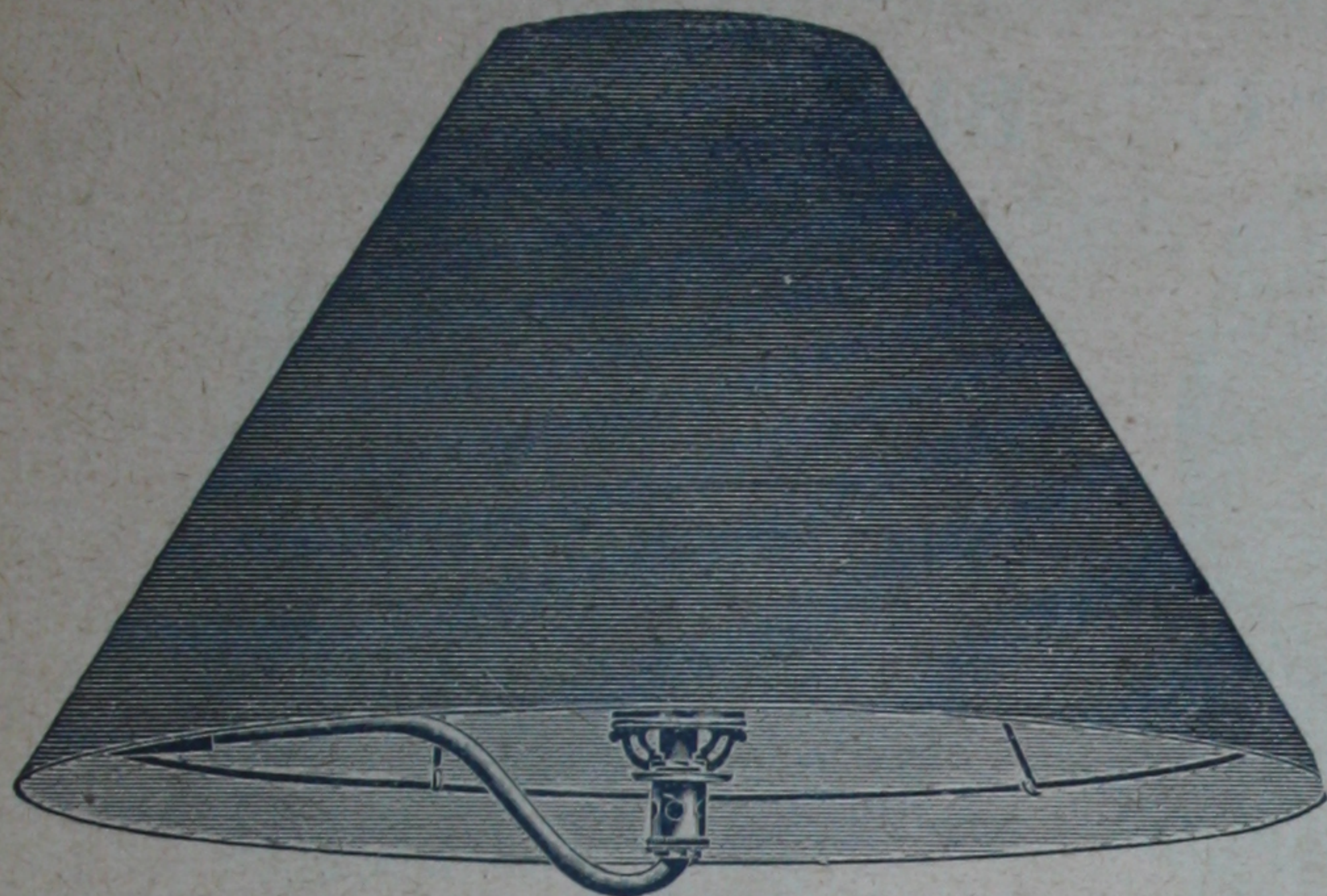


No. W5076.

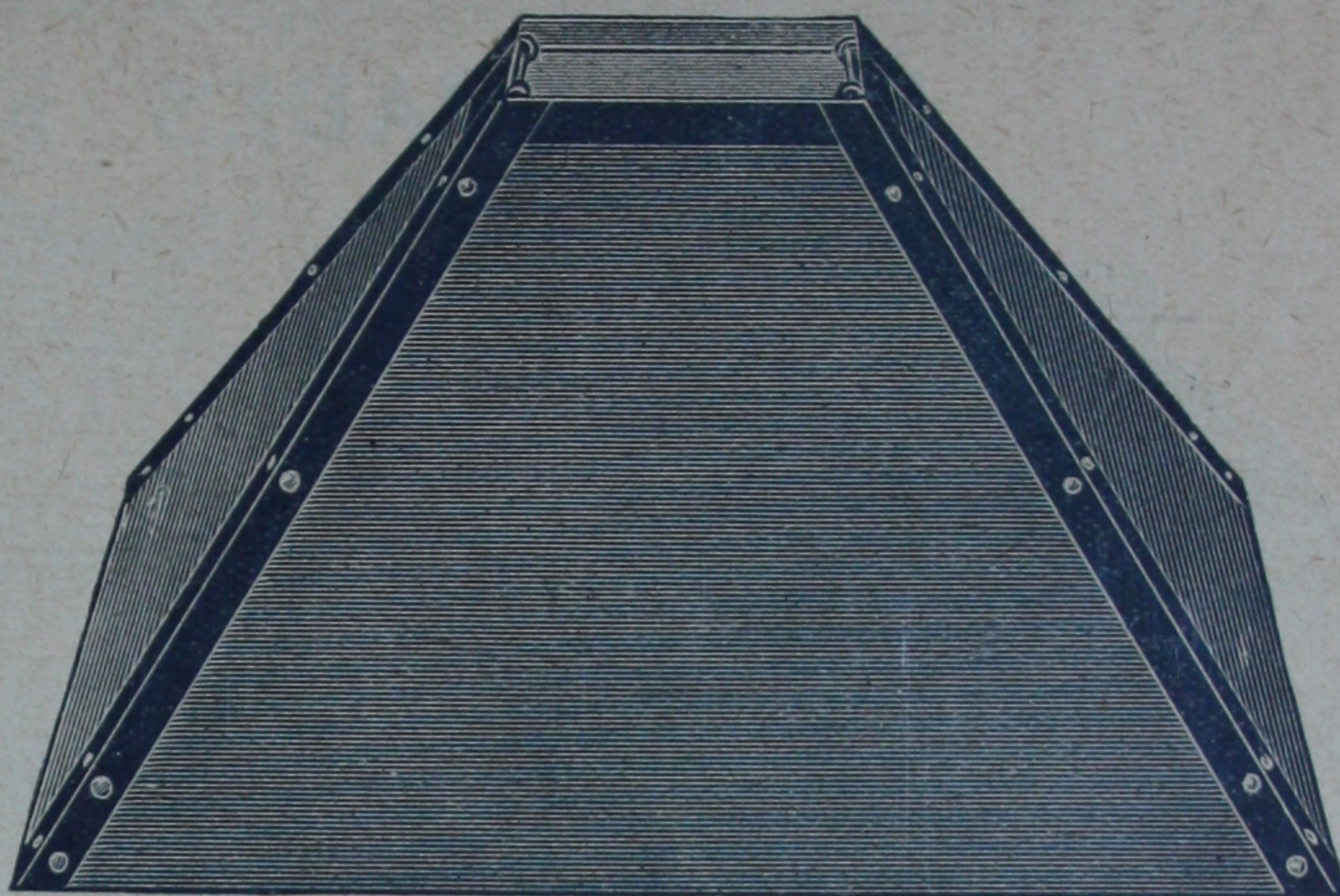
11-in. Nickel-Plated Reflector and Holder	6/- each.
15-in. " "	7/- "

14-in. Green Cardboard
Shade, with Clip, 15/-
per doz.

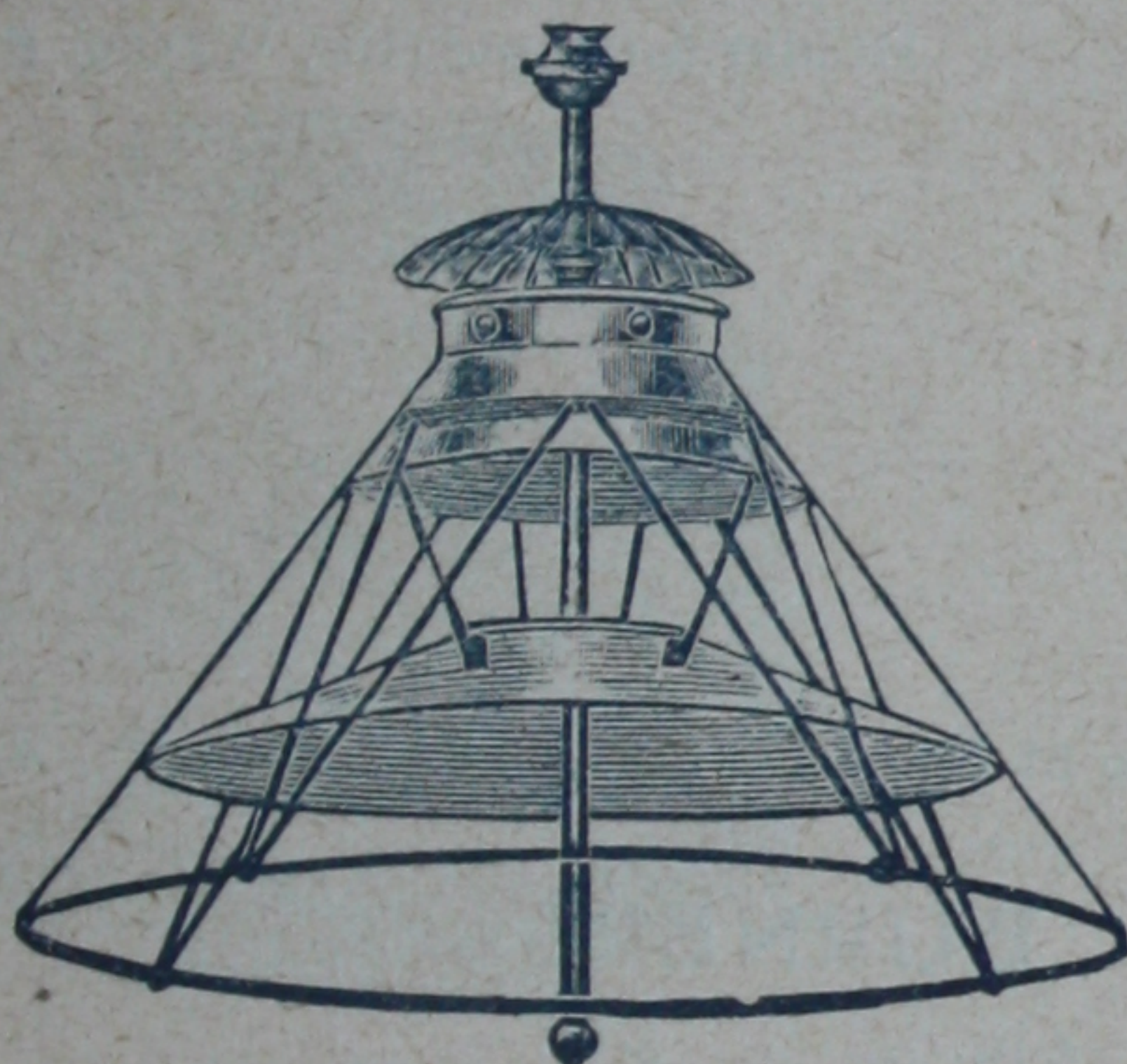
WELSBACH LIGHT



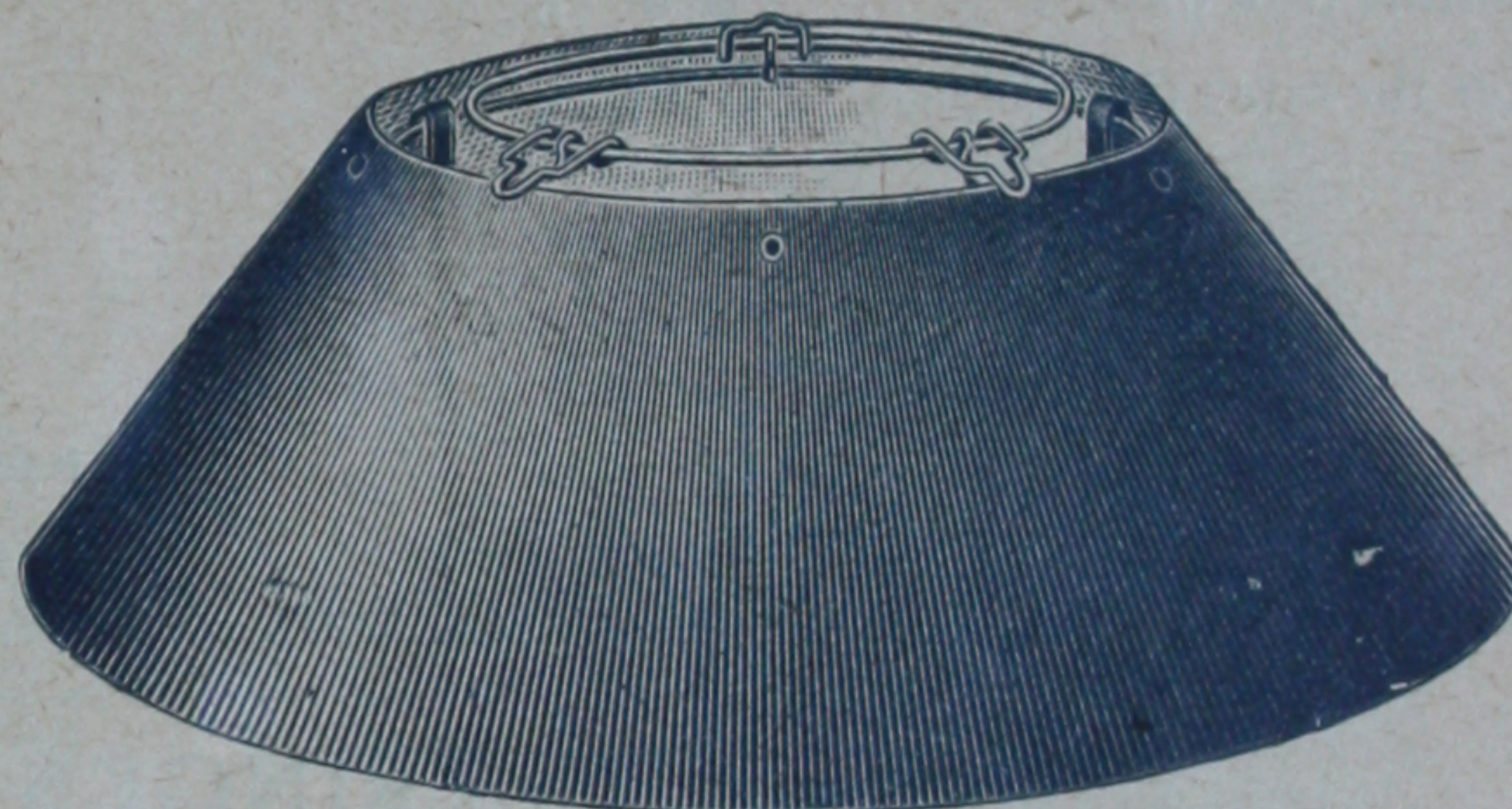
No. W5071.
20-in. Green Cardboard Billiard Shade only ... 18/-
Do. do. with Frame, Arm and Socket No. W5050 ... 53/-
Frame only ... 15/-



No. W1812.
22-in. Green Square Cardboard Shade and Frame, 5/9 each.

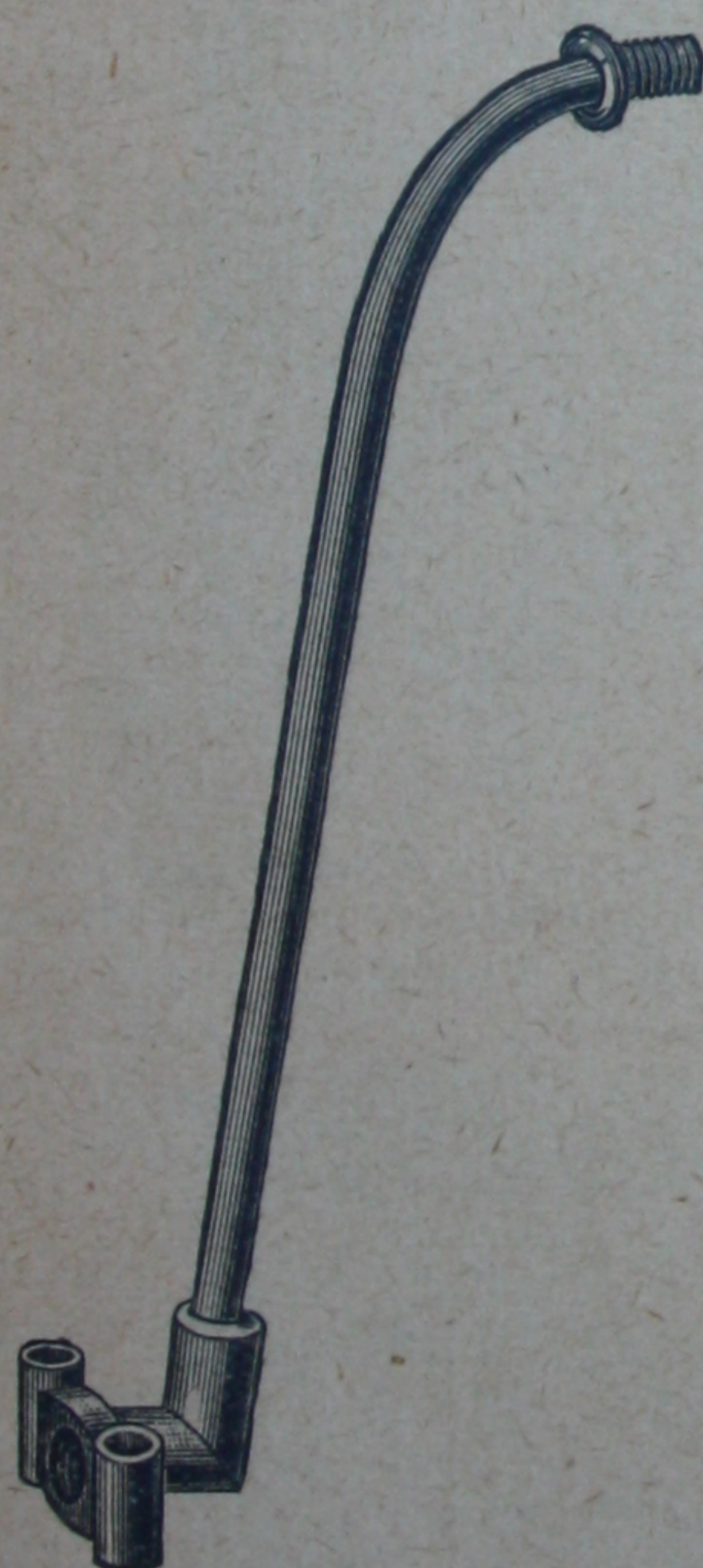


No. W1813.
**Anti-Vibrating Fitments
for Billiard Lighting,
consisting of Shade,
Frame, Patent Enamelled
Reflector, Consumer,
and Cup and Ball.**



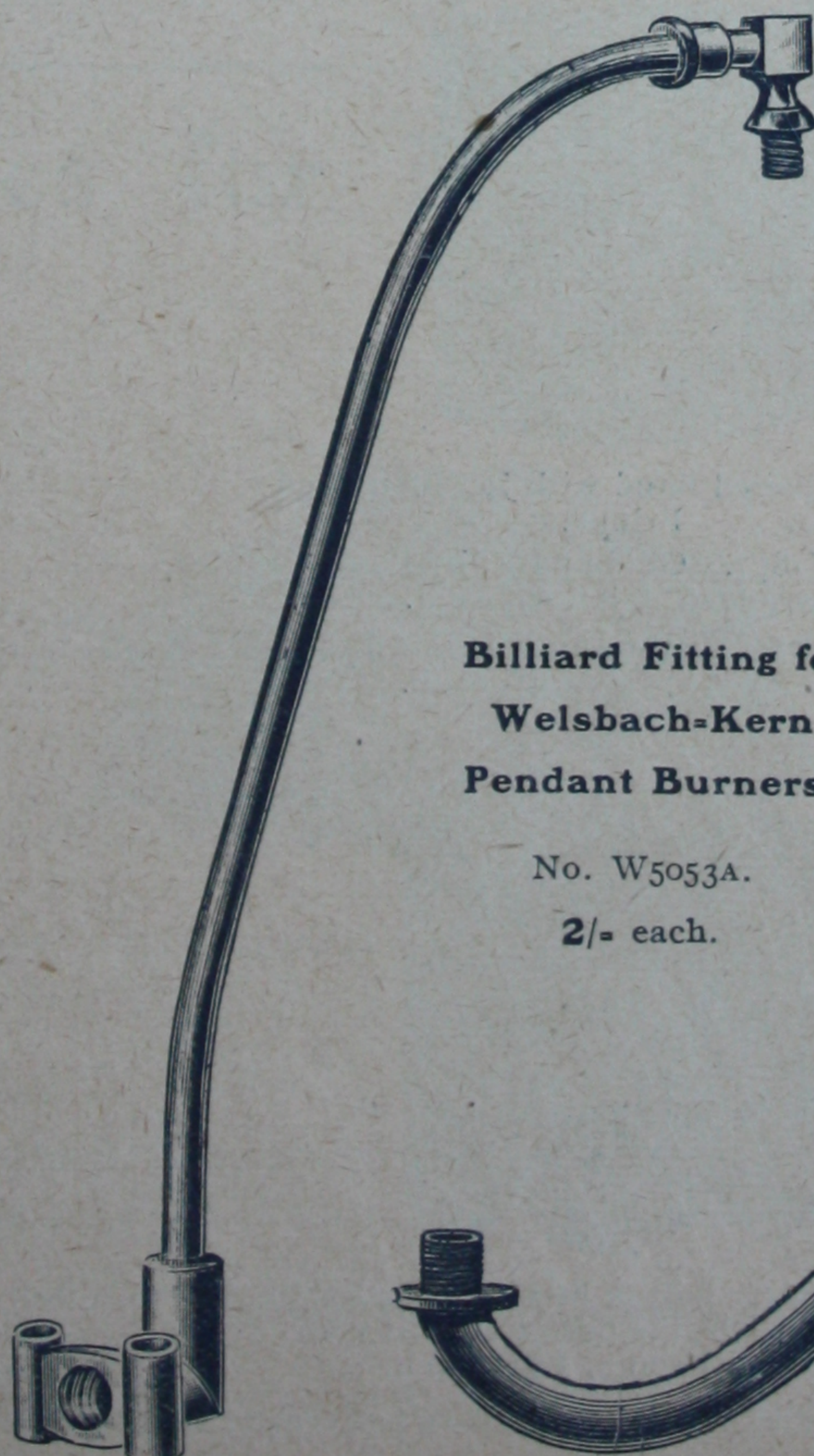
No. W1813, for 1 Light, Inverted, with 24-in. Shade ... 16/- each.
No. W1814, for 1 Light, Upright, with 24-in. Shade ... 20/-
No. W1815, for 2 Lights, Upright, with 24-in. Shade ... 20/-

No. W2156.
14-in. Green Cardboard Shade and Frame, for full size Inverted Burner,
1/- each, 11/- doz.



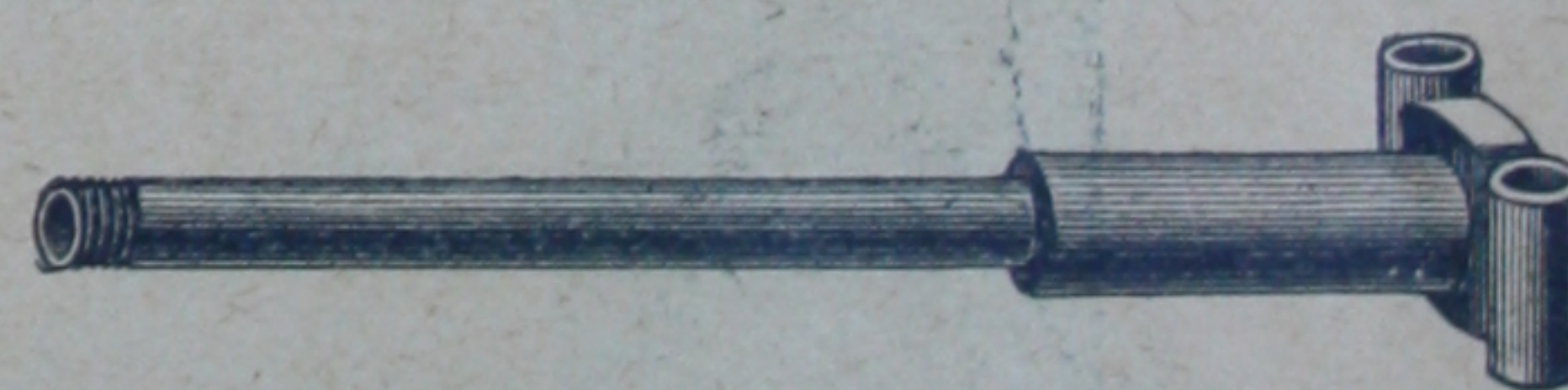
**Billiard Fitting for
Welsbach-Kern
Angle Burners.**

No. W5053.
1/6 each.



**Billiard Fitting for
Welsbach-Kern
Pendant Burners.**

No. W5053A.
2/- each.



No. W5052.
Fitting for Kern Billiard Burners,
as shown on page 24.
3/6 each.



Existing Billiard Pendants can be altered
at a small cost to carry Welsbach
Burners.

No. W5050. For "C" By-pass Burners.
No. W5051. For "C" Plain
21/- per dozen.

WELSBACH LIGHT

SILK SHADES FOR "C" BURNERS.



No. W1873.

Cotton Silk 8-in. ... 7/3 each.
 Florentine Silk 8-in. ... 8/6 "
 Holder for same (No. W5069) =/8½ "



No. W5080.

Fancy Silk Flower Shades.

(Fireproof dressed)

Various colors with Spring Clips, Green, Pink, Yellow, Red, White, &c. Very effective. To fit No. 2 Burners or "C" Burners, 2/6 each.



No. W1874.

8-in. Empire Shade.

Florentine Silk with Bead Fringe, 12/- each.

Holder for same (No. W1569) 8½d. each.

BEAD FRINGES FOR INVERTED BURNERS.

		Deep—	1-in.	2-in.	3-in.	4-in.	5-in.
No. W1947.	Gold ...	...	2/3	3/-	3/9	4/6	5/3 per yard.
No. W1938.	Silver ...	...	2/3	3/-	3/9	4/6	5/3 "



Gilt or Silvered Band.

No. W1875. With Gold Bead Fringe, Large 5/-, Bijou 3/4 each.

No. W1876. With Silver Bead Fringe, Large 5/-, Bijou 3/4 each.



No. W1880. Gilt or Silvered Band, Silver Beads, the design in tones of Green, Gold, and Ruby. Large 8/9, Bijou 6/- each.



Gilt or Silvered Band with Jewelled Bead Fringe.

No. W1877. Gold and Ruby Bead, Large 6/-, Bijou 4/- each.

No. W1878. Silver and Emerald Bead, Large 6/-, Bijou 4/- each.



No. W1881. Gilt or Silvered Band with Claret Beads, the design in Gilt with Silver Pringe, 11/6 each.



No. W1879. Gilt or Silvered Band, Silver Beads, the design in tones of Green and Brown, Large 8/9, Bijou 6/- each.



No. W1882. Gilt or Silvered Band with Silvered Beads, the design in tones of Gold, Green, and Purple, 10/- each.

Globe No. 1745 is recommended for use with above patterns of Beaded Fringes.

WELSBACH LIGHT

Silk Shades for Inverted Burners.



No. W1883.
10-in. Gathered, Double Material Flounce.
Florentine Silk—Large **8/6**, Bijou **6/-** each.



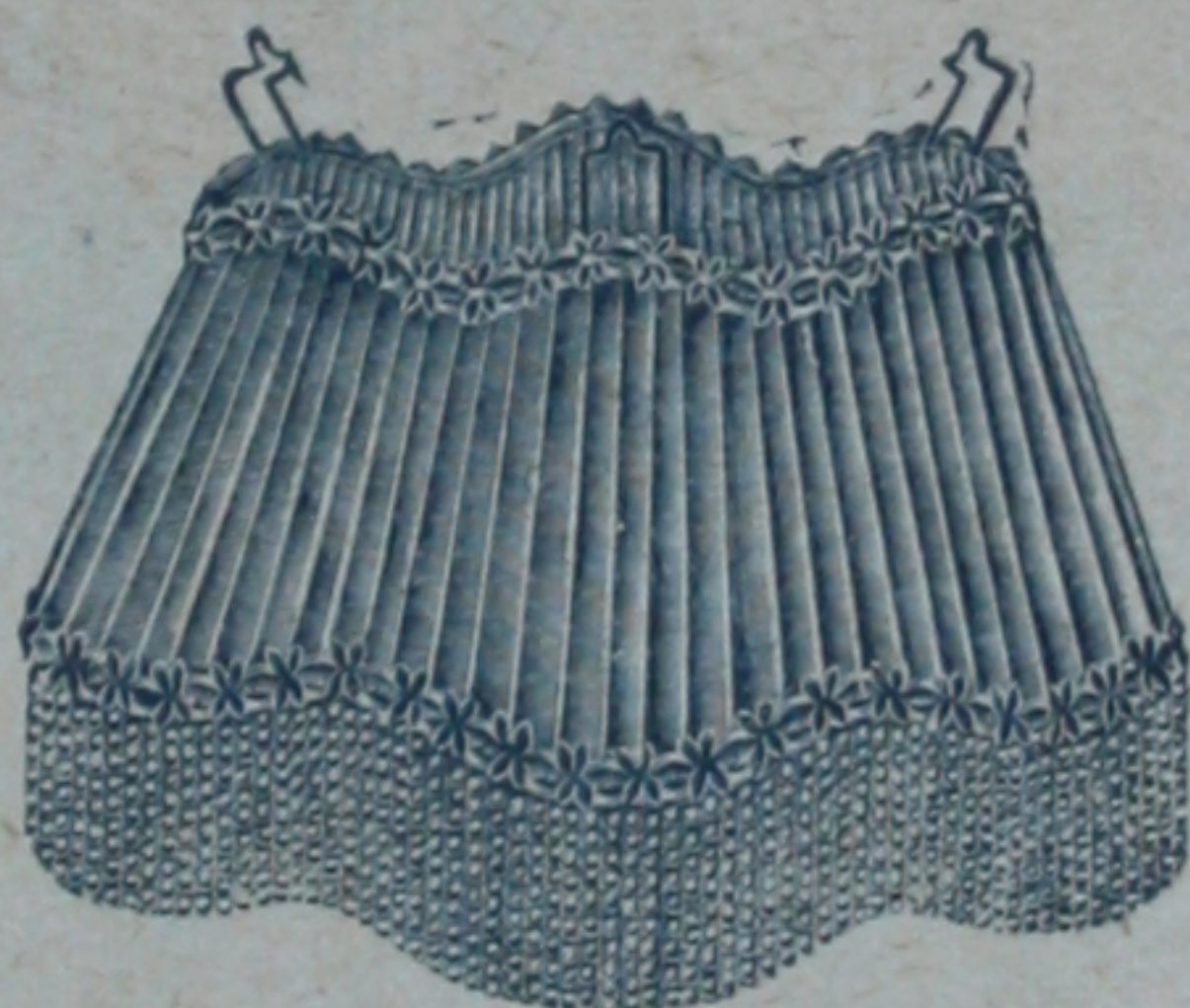
No. W1884.
9-in. Empire Shade in Florentine Silk,
5/4 each.



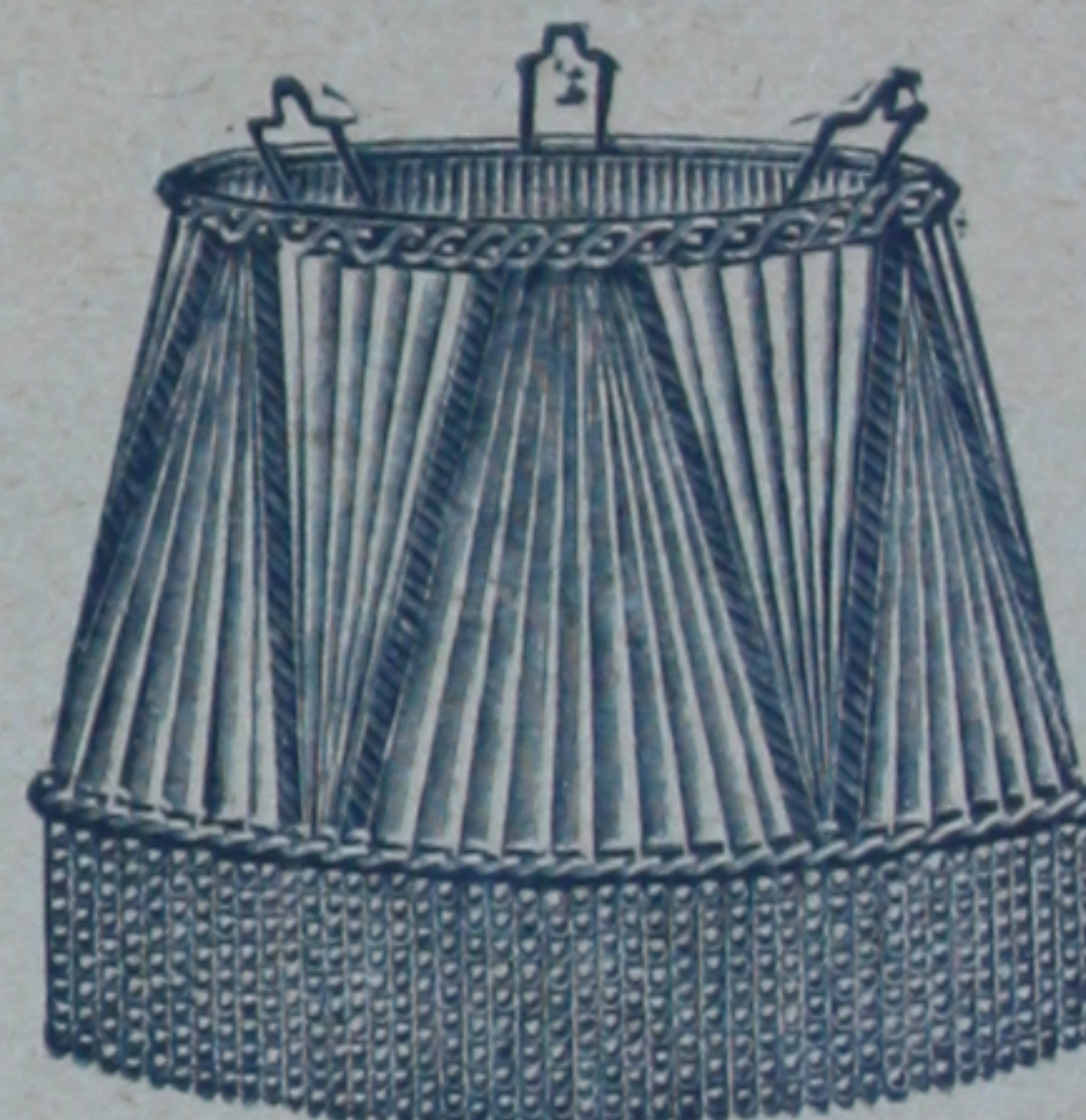
No. W1885.
10-in. Gathered Silk and Lace Flounce.
Florentine Silk—Large **10/6**, Bijou **7/6** each.



No. W1886.
8-in. Florentine Silk, Gilt or Silvered Metal
Band, 1-in. Bead Fringe.
Large **9/3**, Bijou **7/6** each.

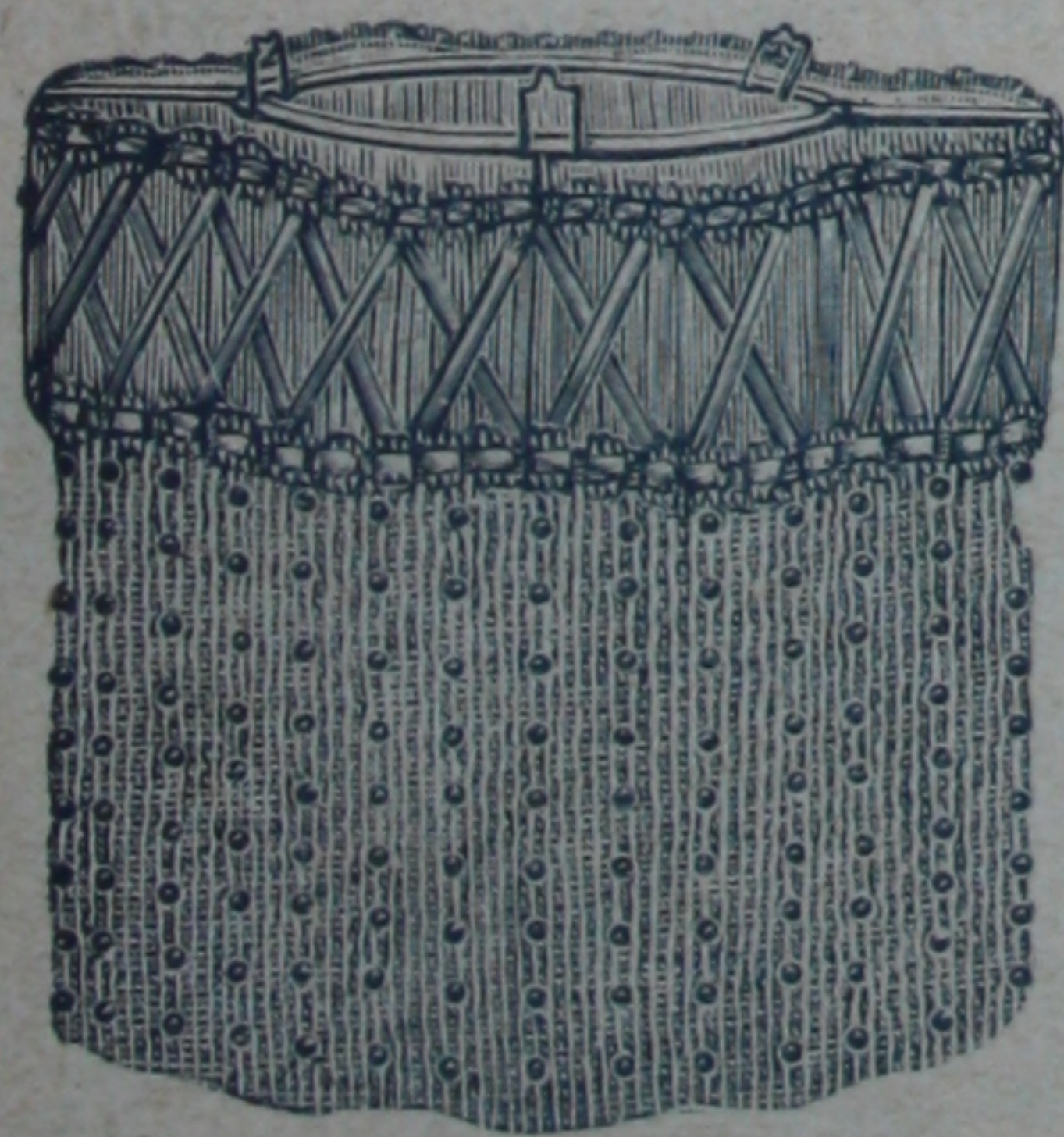


No. W1887.
8-in. Florentine Silk Shade, with
Silver Bead Fringe.
Large **8/-**, Medium **7/3** each.



No. W1888.
10-in. Florentine Silk Shade, with
Silver Bead Fringe, **12/-** each.

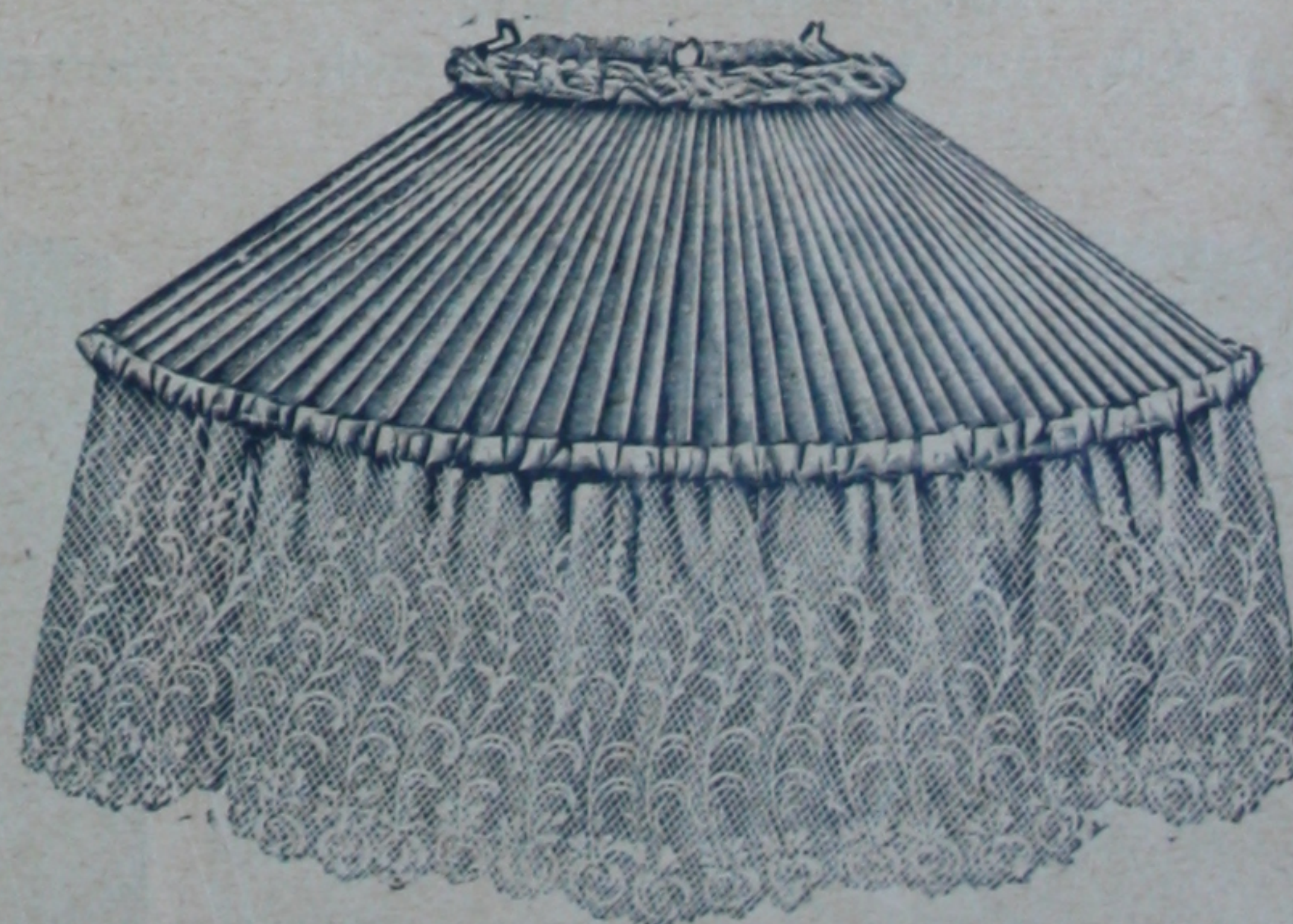
Silk Shades for I-Light Inverted Pendants.



No. W1889.
Florentine Silk Shade, Ribbon Trimming,
with Silver and Emerald Jewelled
Fringe.
9-in. **15/6**, 10-in. **17/6**, 12-in. **21/6** each.



No. W50A.
15-in. Cotton and Lace Shade, **8/-** each.



No. W1890. Cotton Silk, Lined White... 18-in. **13/4** each.
No. W1891. Florentine Silk **19/-** ..

Above Patterns supplied in any of the following Colours :—
Crimson, Apple Green, Yellow, Old Gold, Rose Pink, Moss Green, and Deep Gold.

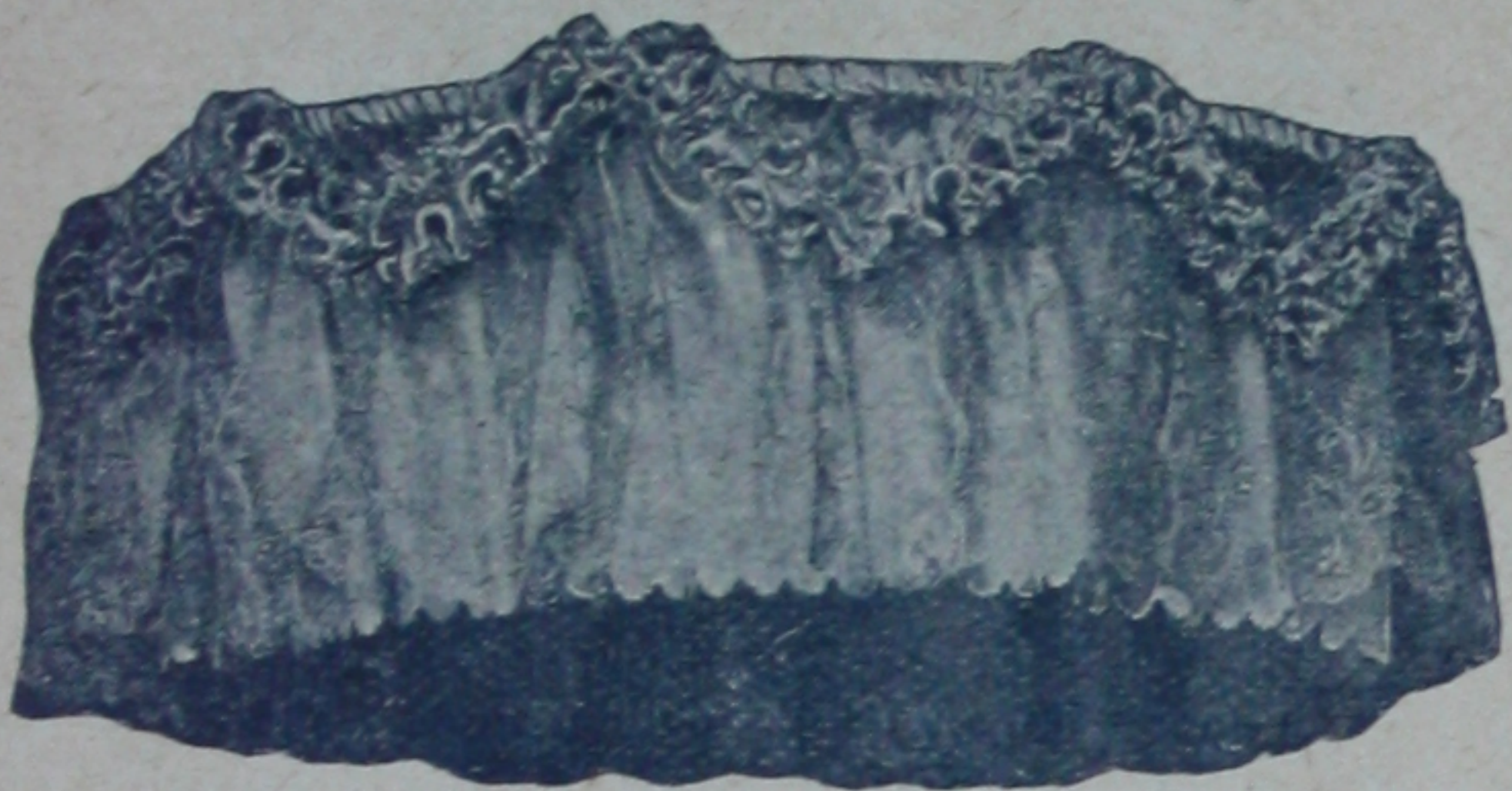
Pattern Book of Colours on application.

Globe No. 1745 is recommended for use with above Shades.

WELSBACH LIGHT

Shades for Rise and Fall and other Pendants, WITH OPAL DISCS.

Shown on pages 88, 89, 92, 93 and 94.



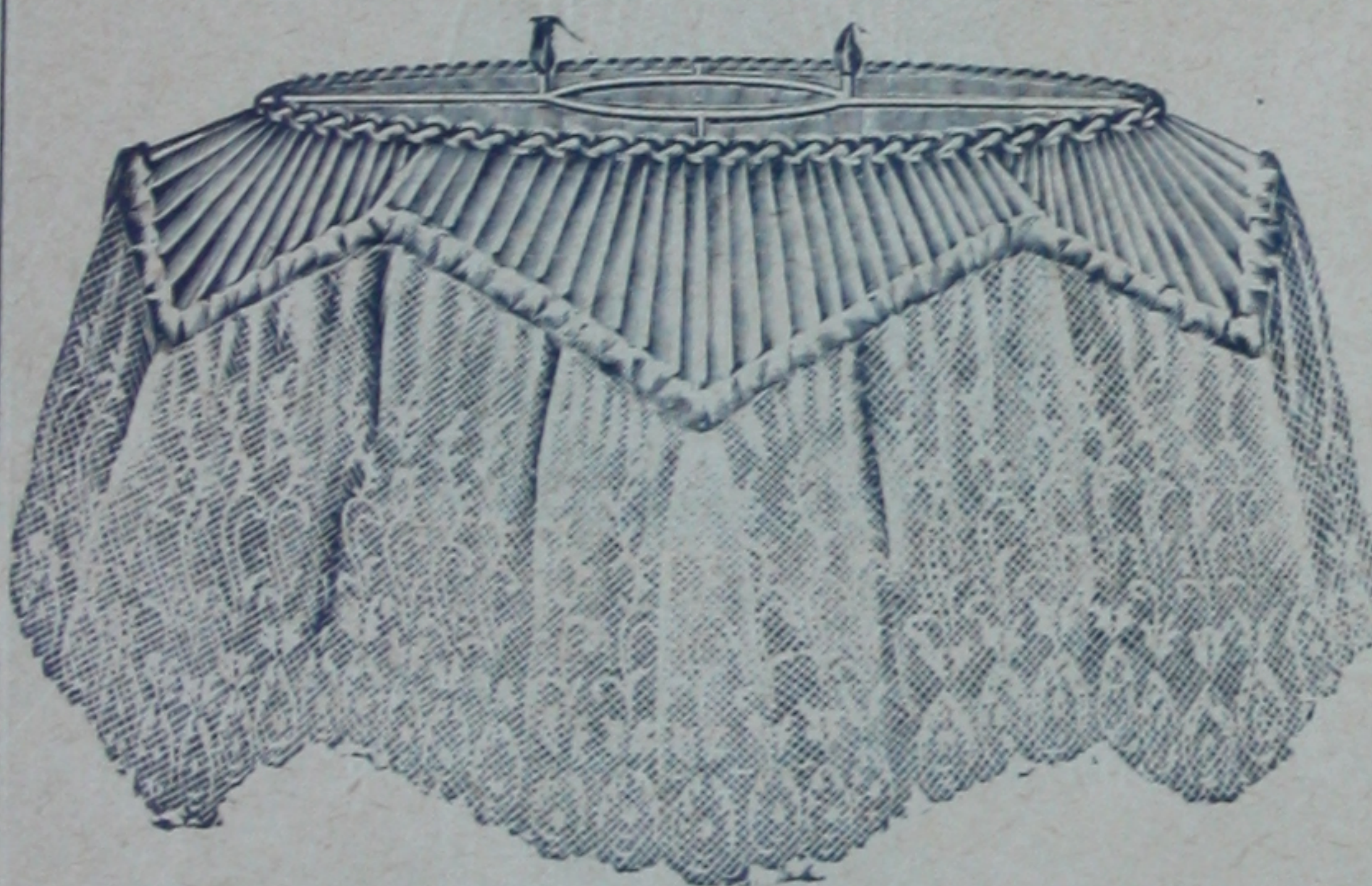
No. W1892.
Cotton Silk and Lace ... 14 in. 19 in.
11/3 16/= each.
No. W1893.
Florentine Silk and Lace ... 14 in. 19 in.
13/10 21/3 each.



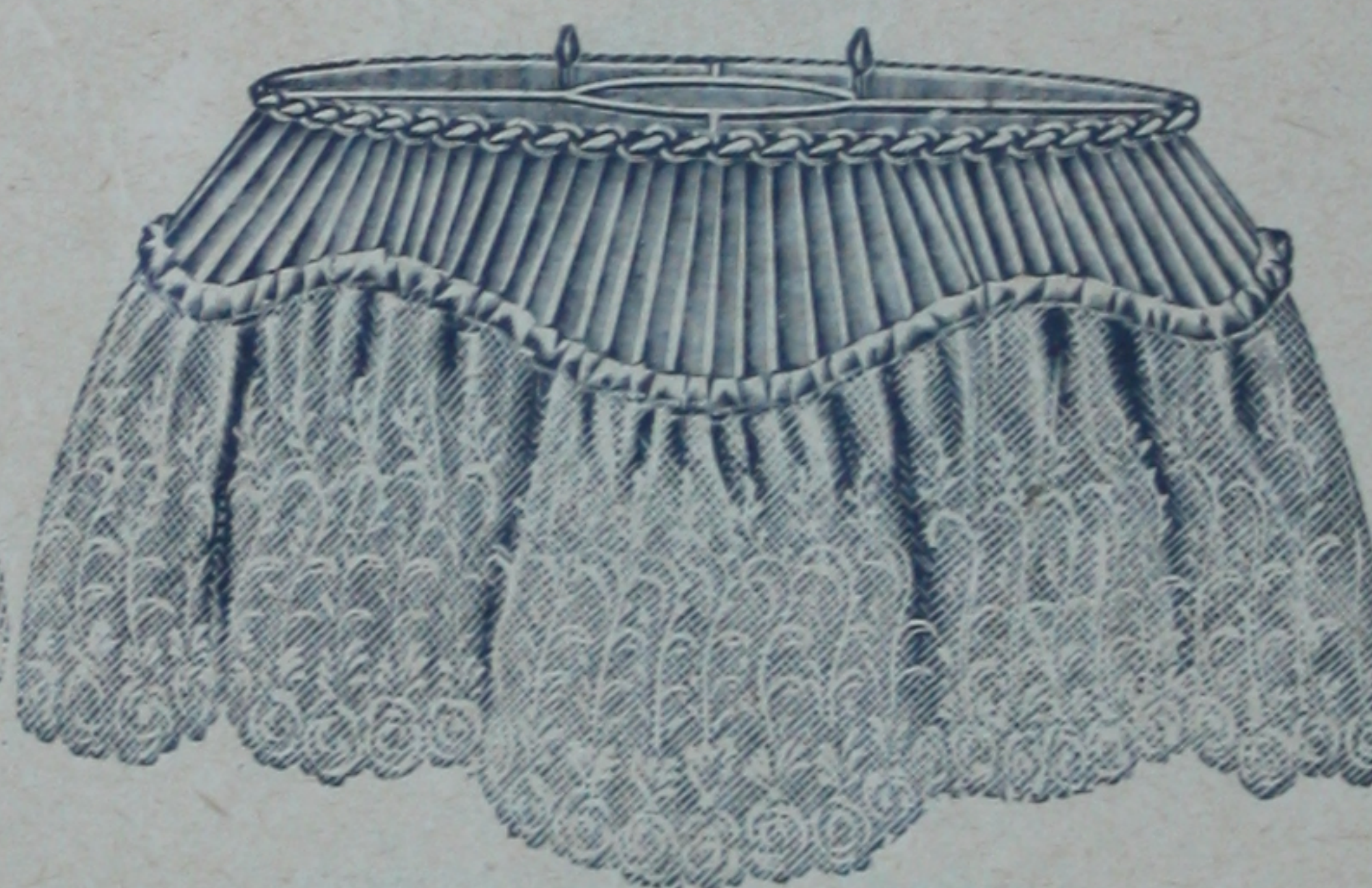
No. W1894.
Florentine Silk ... 14 in. 19 in.
10/= 13/10 each.



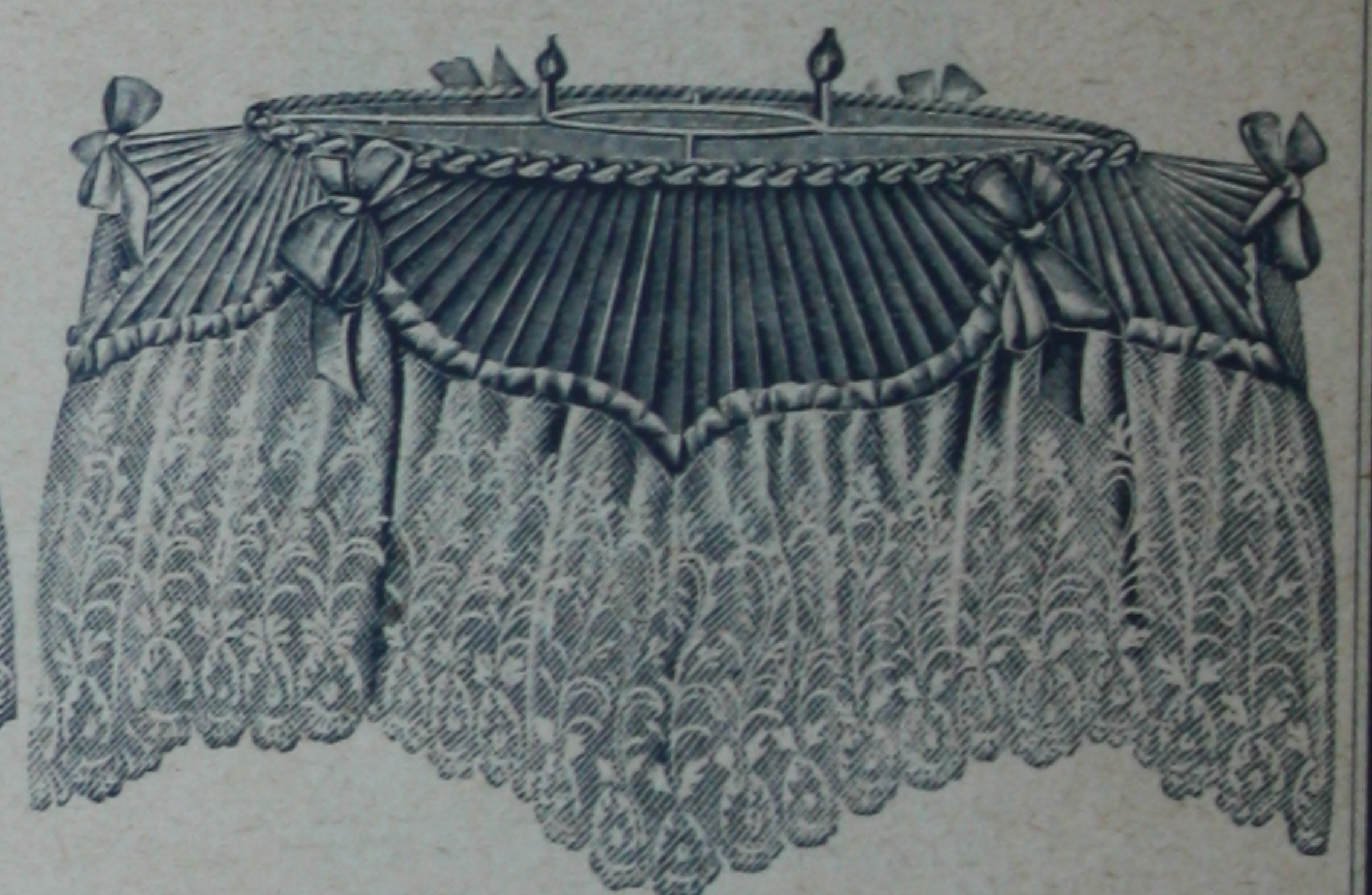
No. W1895.
Cotton Silk, lined white ... 19 in. 19 in.
16/= each.
No. W1896.
Florentine Silk, lined white ... 19 in. 19 in.
20/= each.



No. W1897.
Cotton Silk, lined white ... 18 in. 20 in.
20/= each.



No. W1899.
Cotton Silk, lined white ... 20 in. 18 in.
18/= each.



No. W1901.
Cotton Silk, lined white ... 20 in. 26 in.
26/= each.

No. W1898.
Florentine Silk, lined white ... 18 in. 24/9 each.

No. W1900.
Florentine Silk, lined white ... 20 in. 22/= each.

No. W1902.
Florentine Silk, lined white ... 20 in. 30/= each.



No. W1903.
12-in. Gilt or Silvered Band, with silver and
ruby jewelled bead fringe, 17 in. deep.



No. W1904.
15-in. Gilt or Silvered Band, with Florentine silk
flounce trimmed with bead fringe, 21 in. deep.



No. W1905.
15-in. Florentine Silk Shade, with 5-in. silver
bead fringe, jewelled, 22 in. deep.

OPAL DISCS for renewals ... 1-Light. 2-Light.
2/= ... 3/= each.

NOTE.—When ordering state clearly size and colour, and whether required for 1 or 2-Light Inverted or Upright Pendant. Every endeavour is made to match customers' own colours but the Company cannot guarantee a perfect match, nor can return be accepted of special shades made to order. All above patterns supplied in any of the following colours:—Apple Green, Crimson, Yellow, Old Gold, Rose Pink, Moss Green, and Deep Gold. Pattern books of colours on application.

WELSBACH LIGHT

Brackets for "Gem" Pendant Inverted Burners.



No. W2251.

$\frac{1}{4}$ -in. Arm. Projection, $7\frac{1}{2}$ -in.
Back, $2\frac{3}{4}$ -in.

	Polished Brass.	Antique Copper.
1 Light ...	2/6	2/9 each



No. W2254.

$\frac{5}{16}$ -in. Projection $9\frac{1}{4}$ -in. Back 3-in.

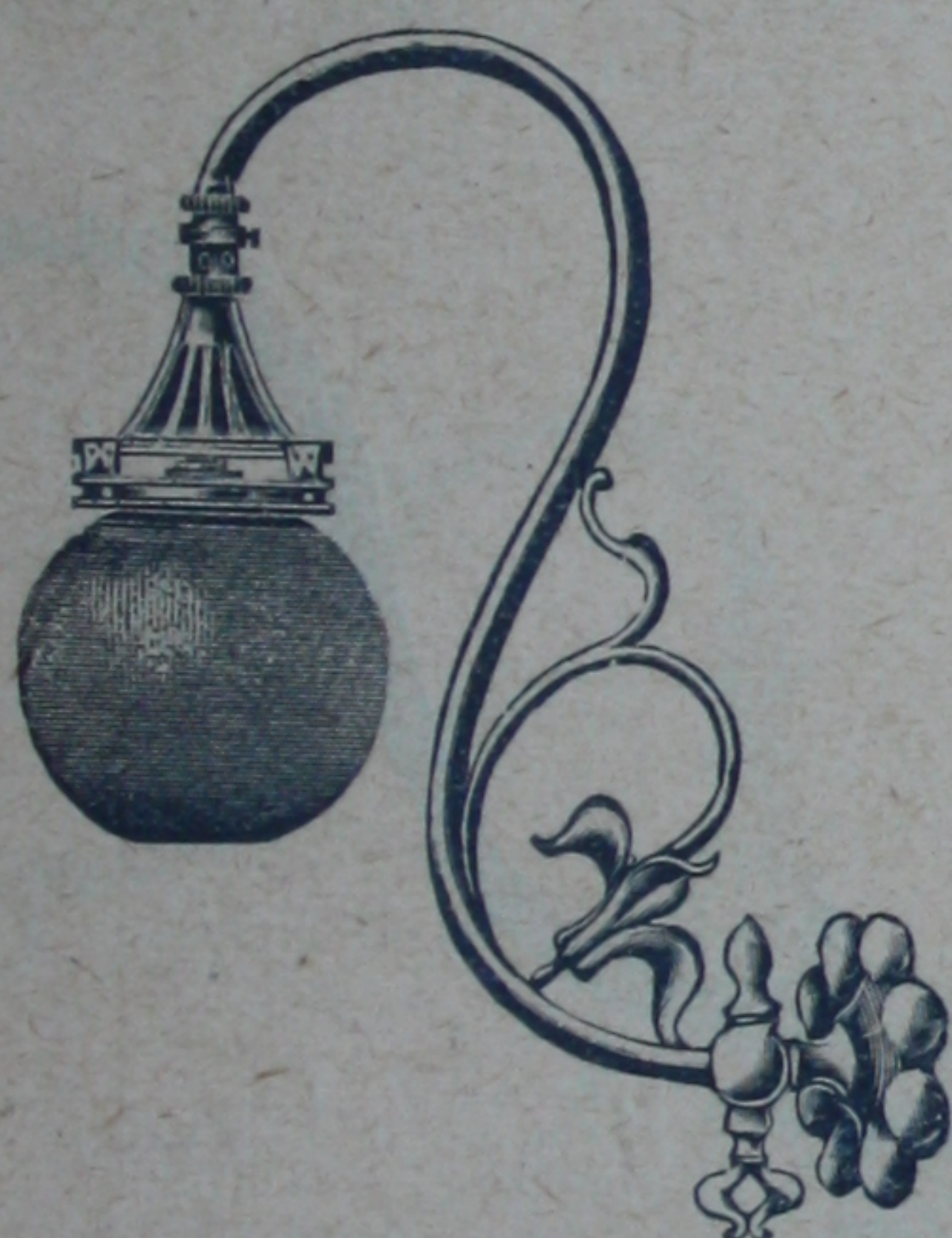
Polished Brass ...	3/3 each
Antique Copper ...	3/6 ,,



No. W798.

$\frac{5}{16}$ -in. Projection 7-in. Back 3 in.

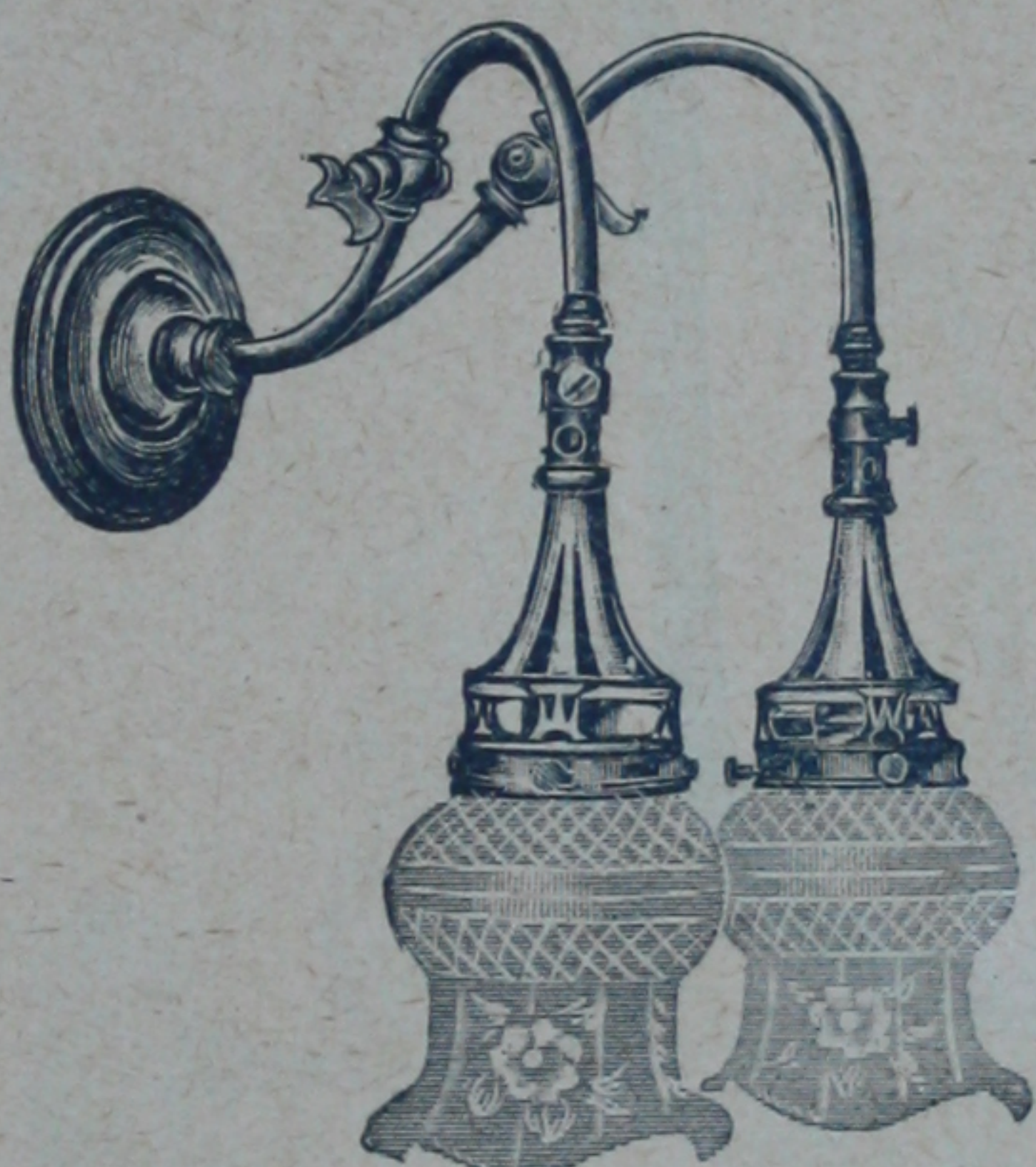
Polished Brass ...	4/6 each.
Antique Copper ...	5/- ,,



No. W797.

$\frac{5}{16}$ -in. Projection 6-in. Back 3-in.

Polished Brass ...	4/9 each.
Antique Copper ...	5/3 ,,



No. W1945.

$\frac{1}{4}$ -in. Projection $7\frac{1}{2}$ -in. Back $2\frac{3}{4}$ -in.

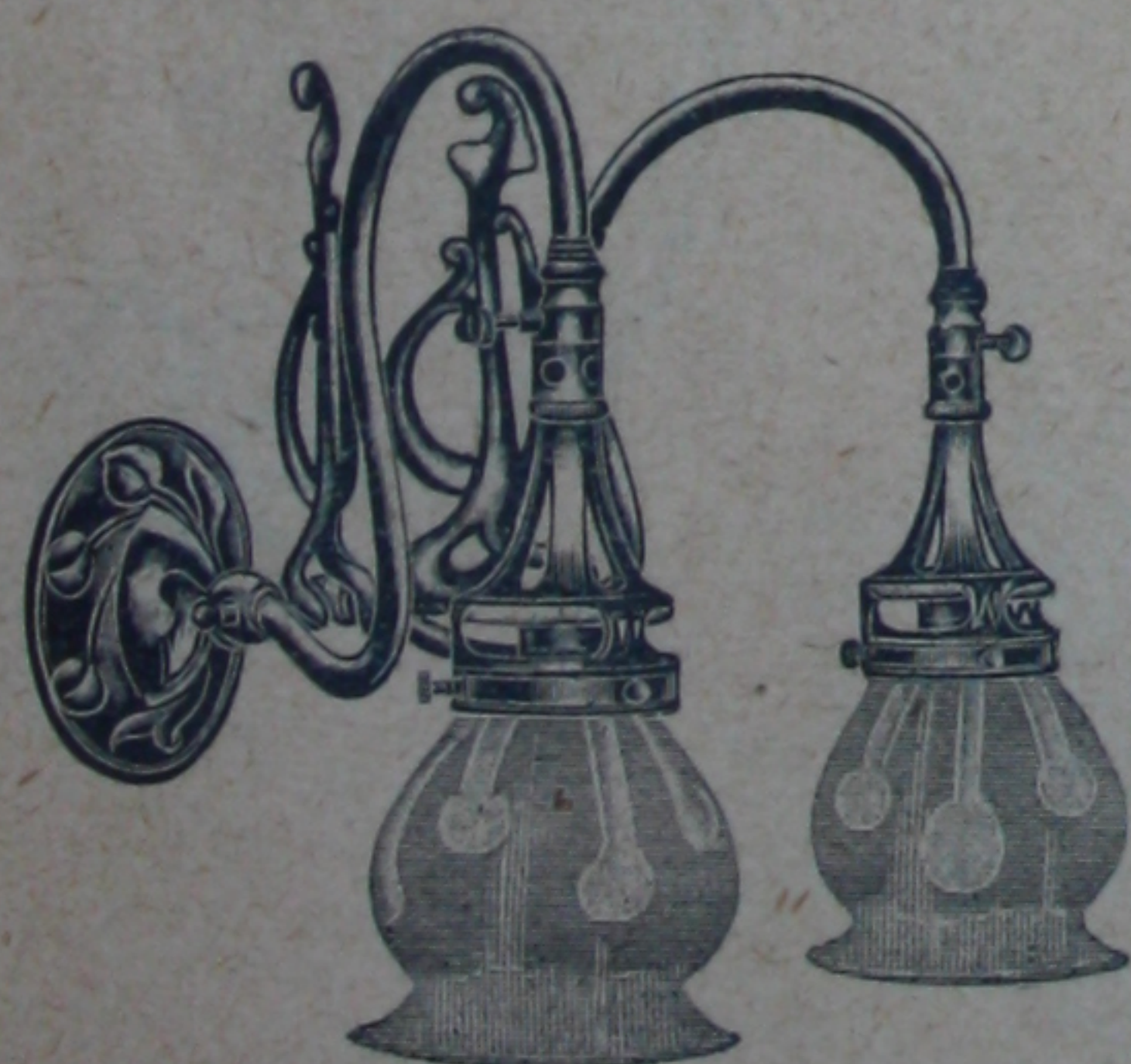
	Polished Brass.	Antique Copper.
2 Lights ...	4/6	4/9 each.
3 Lights ...	5/6	6/- ,,



No. W979.

$\frac{5}{16}$ -in. Projection $9\frac{1}{2}$ -in.

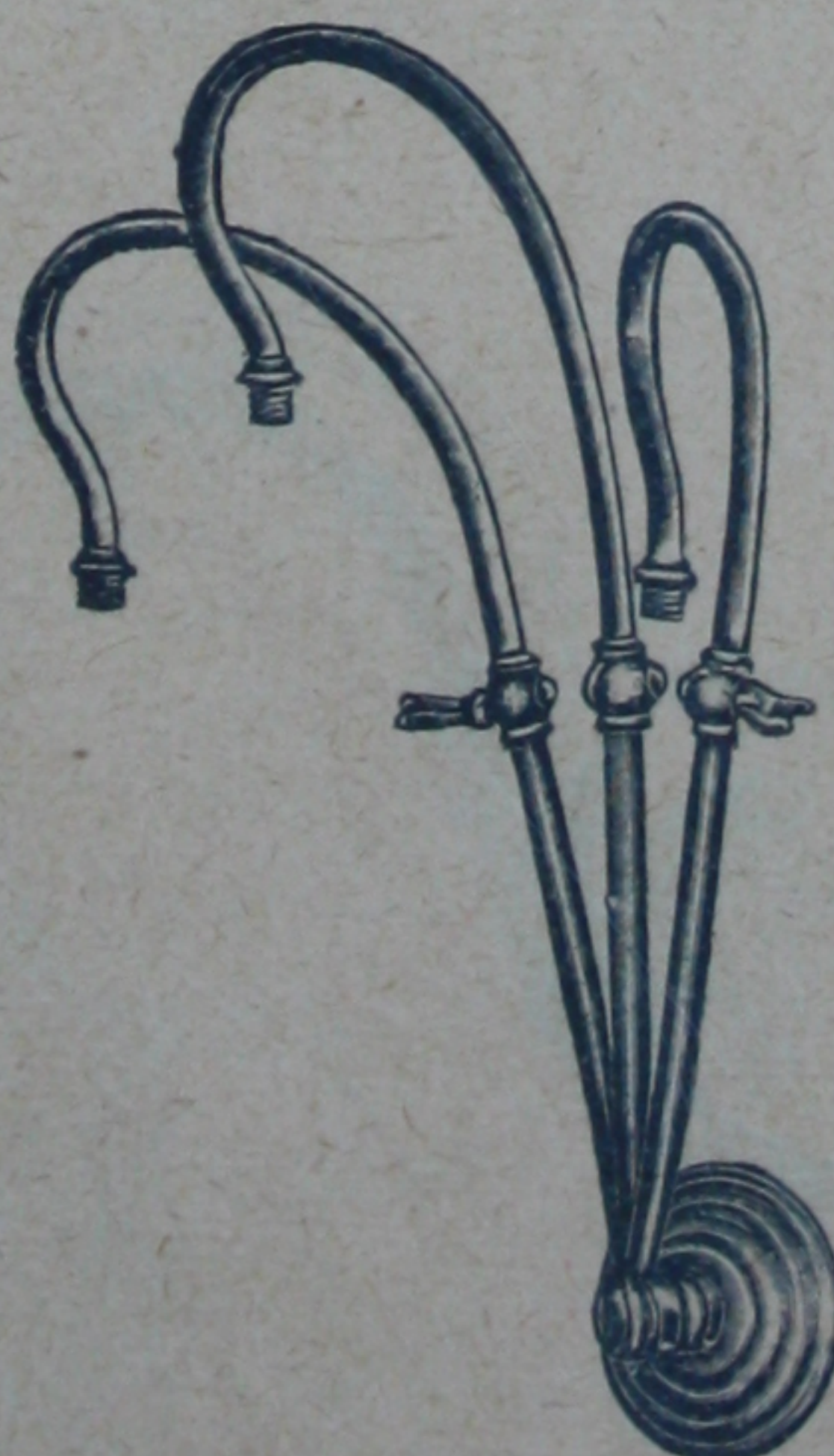
Polished Brass ...	6/- each.
Antique Copper ...	6/9 ,,



No. W1816.

$\frac{1}{4}$ -in. Tube. Projection 8-in.
Back 4-in.

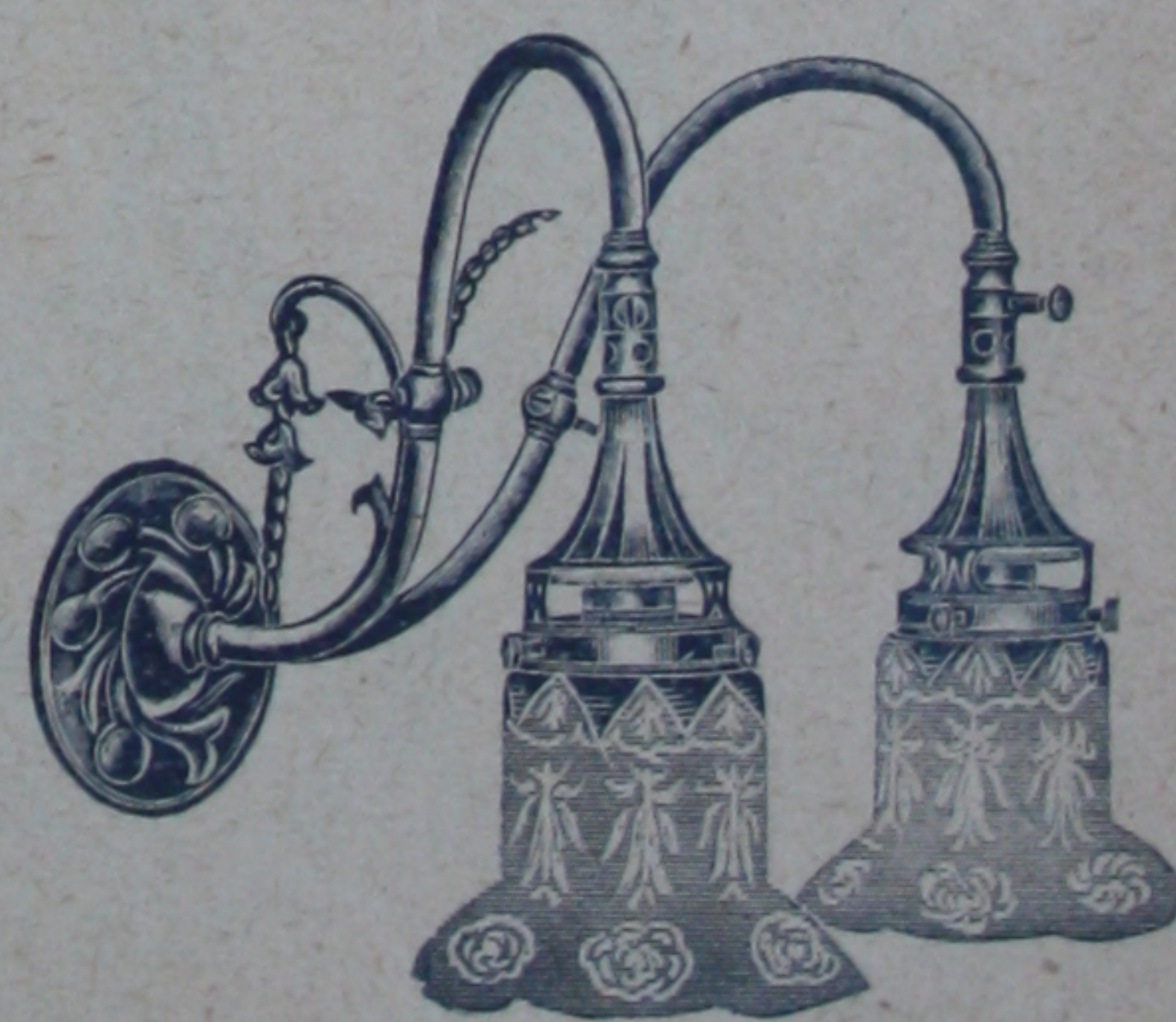
	Polished Brass.	Oxydised Copper.
2 Lights ...	11/-	12/- each.



No. W2252.

$\frac{1}{4}$ -in. Projection $6\frac{1}{2}$ -in. Back $2\frac{3}{4}$ -in.

	Polished Brass.	Antique Copper.
2 Lights ...	5/-	5/6 each
3 Lights ...	6/-	6/6 ,,



No. W1817.

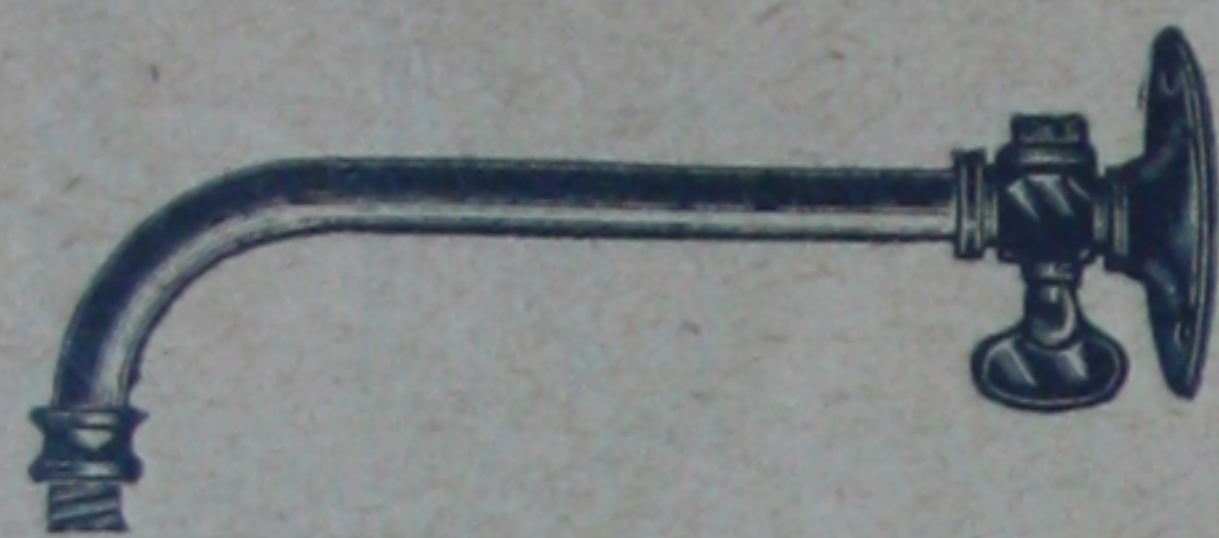
$\frac{1}{4}$ -in. Tube. Projection $8\frac{1}{2}$ -in.
Back 4-in.

	Polished Brass.	Oxydised Copper.
2 Lights ...	11/6	12/6 each.

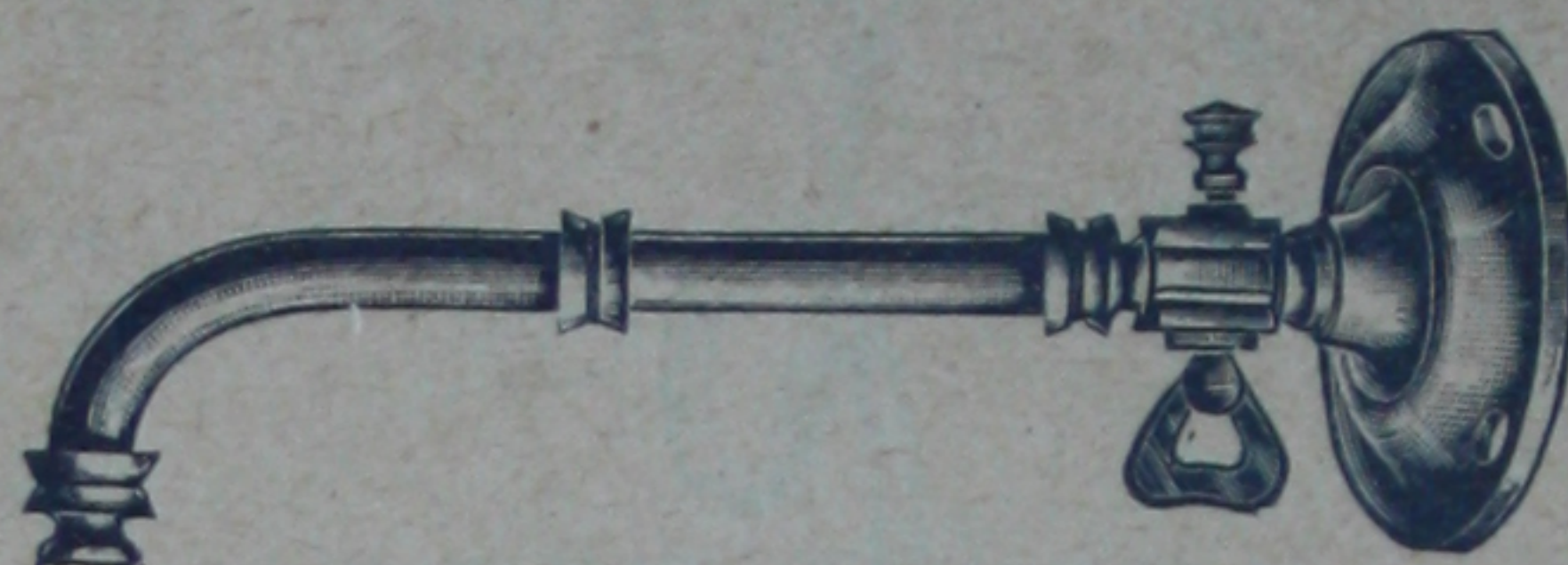
BURNERS AND GLOBES EXTRA.

WELSBACH LIGHT

INVERTED BRACKETS.



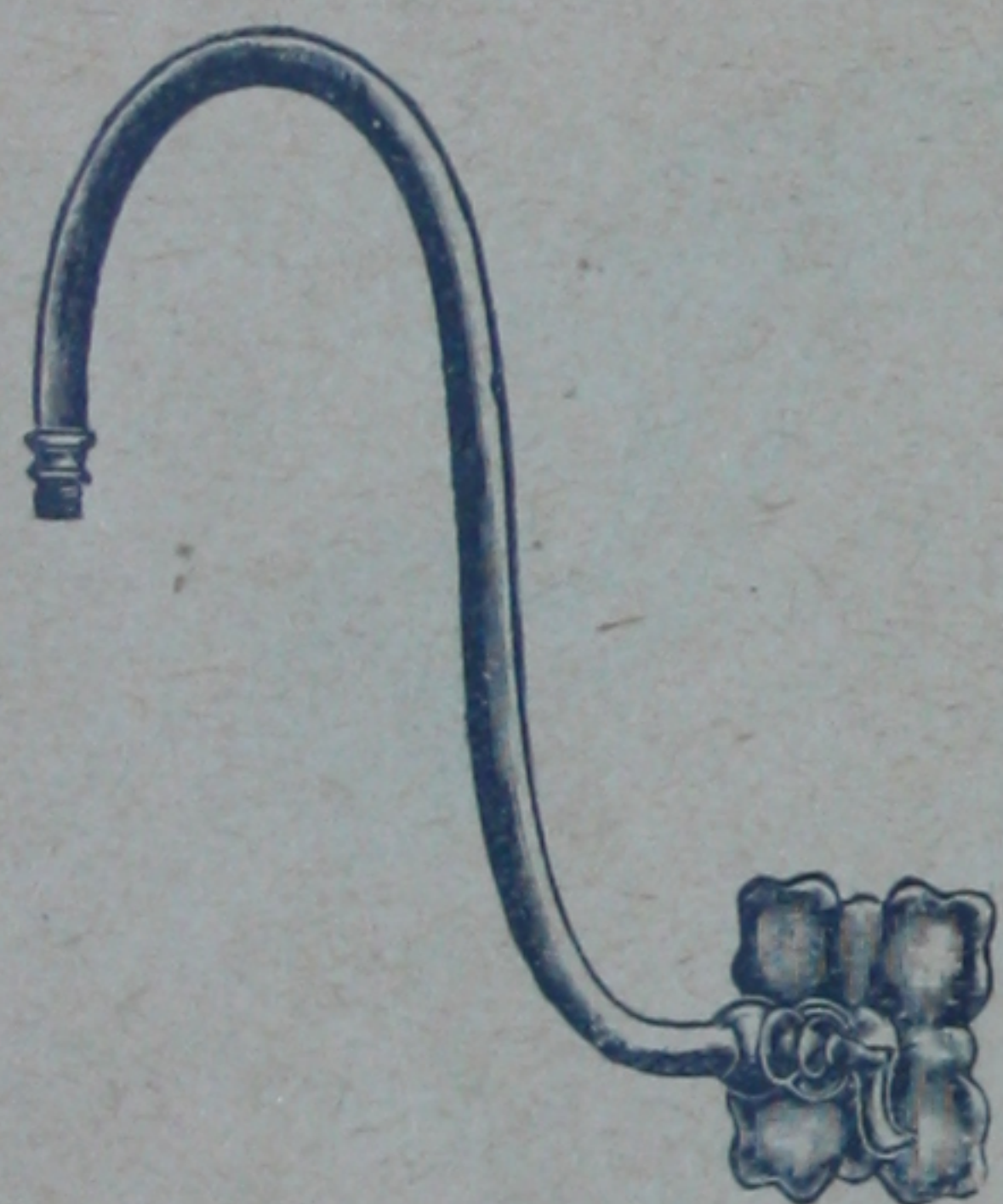
No. W1818.
Polished or Steel Bronzed, Stiff Bracket.
 $\frac{3}{8}$ -in. $\times$ 6-in. $\times$ 2-in. back. **12/-** per doz.



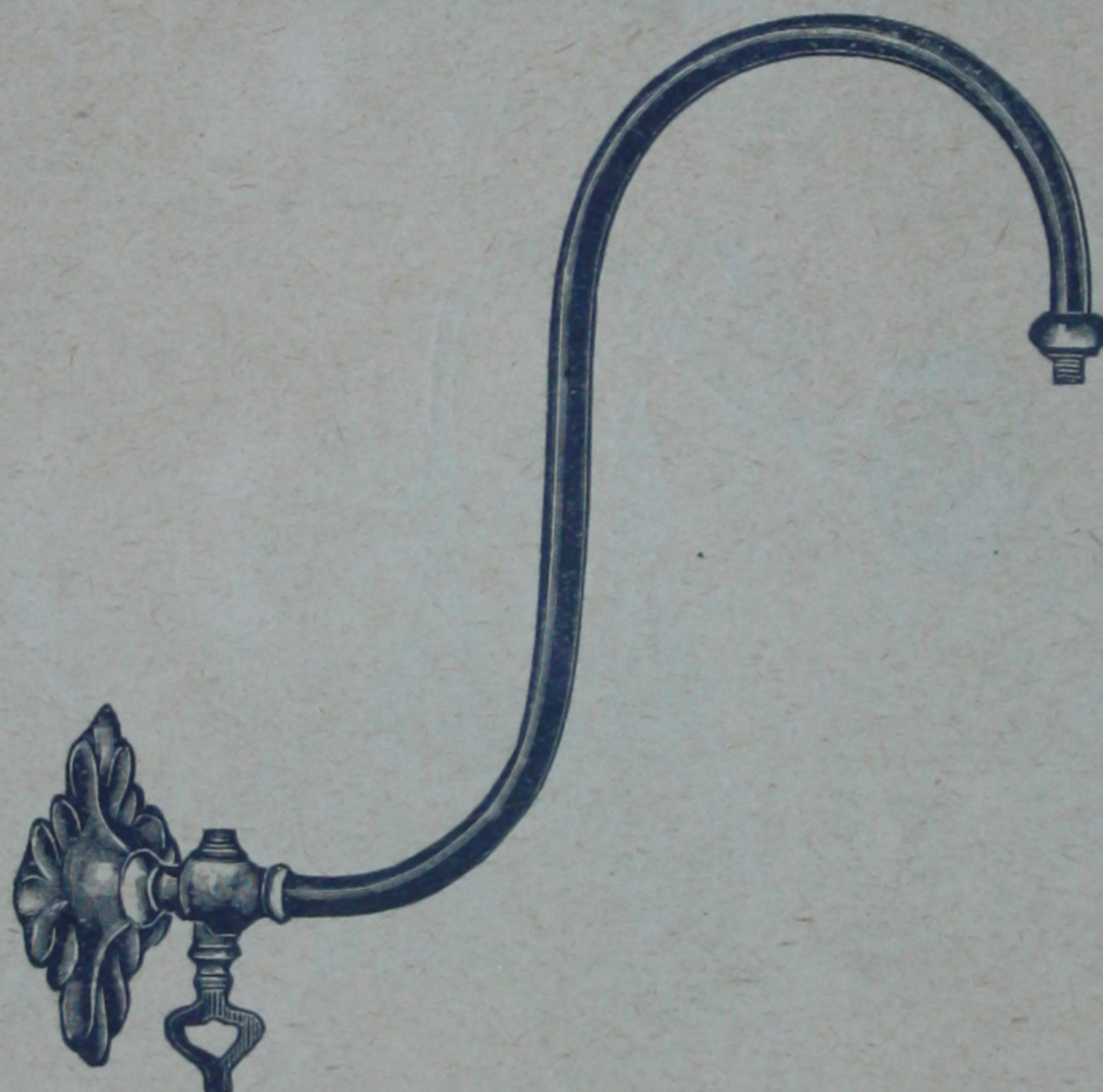
No. W1819.
Polished Stiff Bracket.
Cast Back $3\frac{1}{4}$ -in. diam. $\frac{1}{2}$ -in. $\times$ 8-in. **48/-** doz.
" $3\frac{3}{4}$ -in. " $\frac{5}{8}$ -in. $\times$ 9-in. **60/-** "



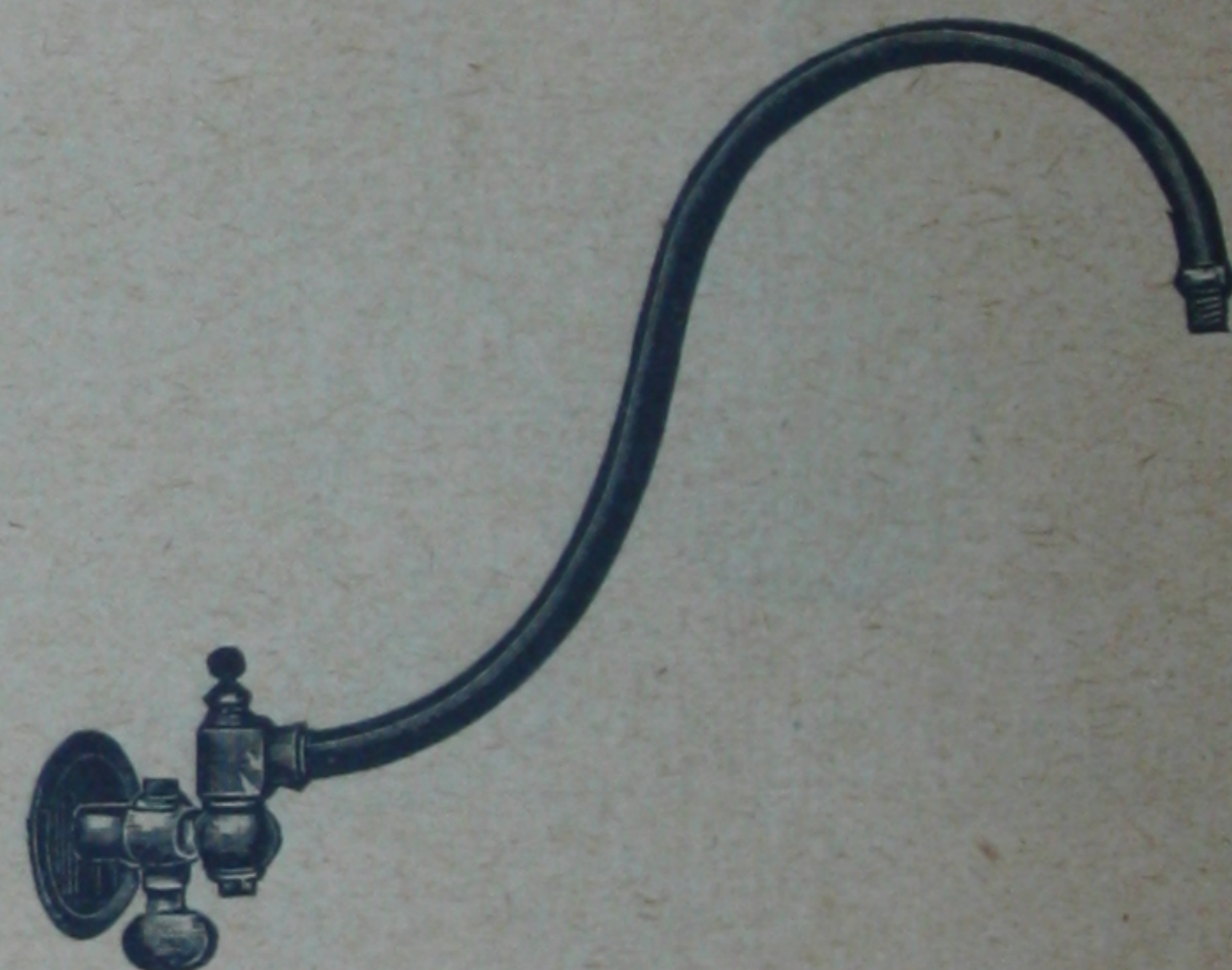
No. W1820.
Polished or Steel Bronzed, Stiff Bracket.
 $\frac{3}{8}$ -in $\times$ 8-in. $\times$ $1\frac{1}{2}$ -in. back. **14/-** per doz.



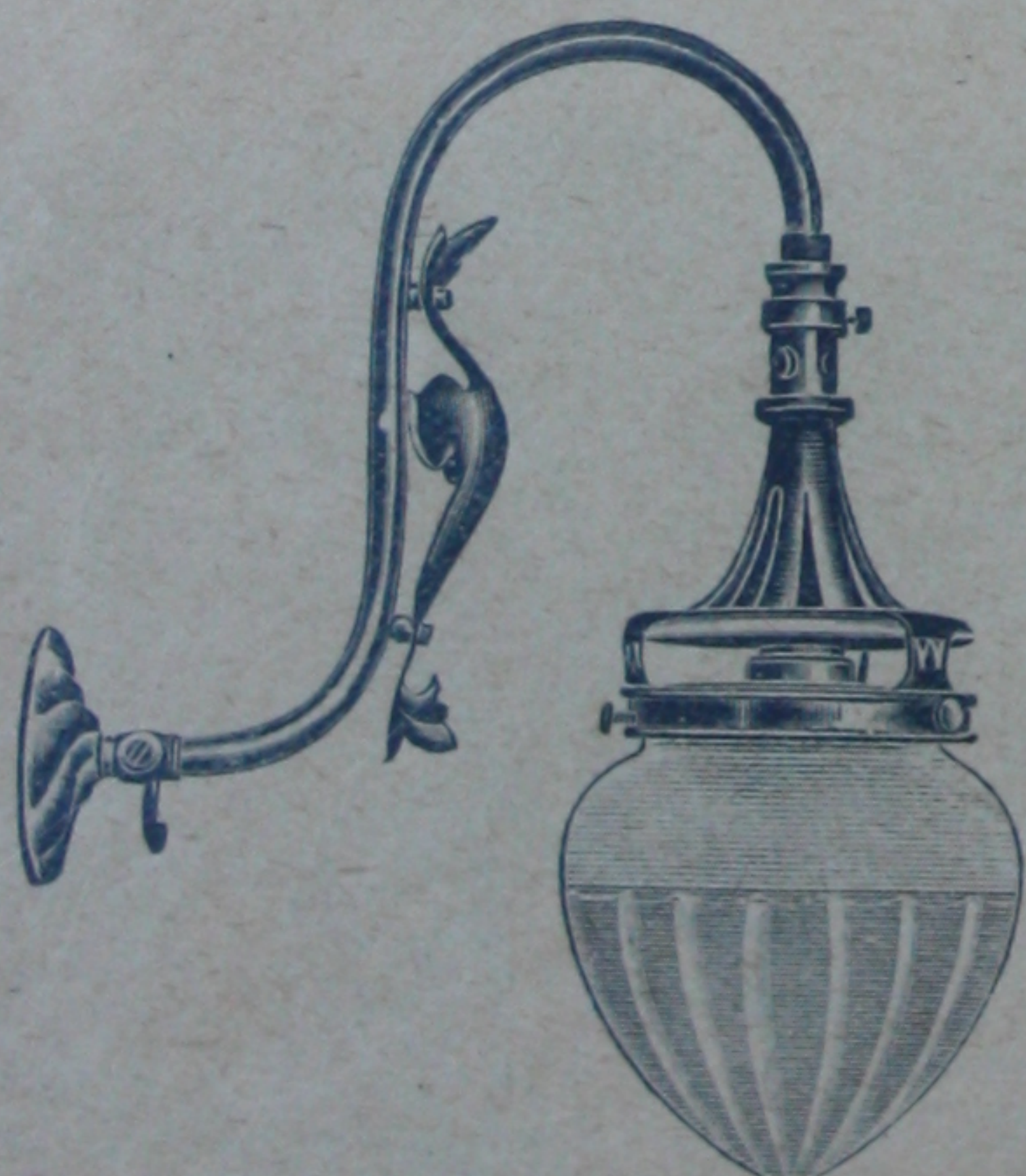
No. W2253.
Polished Brass, Stiff ... **28/-** doz.
Antique Copper, Stiff ... **32/-** "
 $\frac{3}{8}$ -in. Projection 10-in. Back 3-in.



No. W2257.
Polished Brass or Steel Bronzed **48/-** doz.
Antique Copper ... **54/-** "
 $\frac{7}{16}$ -in. Projection 10-in. Back $3\frac{1}{4}$ -in.



No. W2253A. Swing.
Polished, Steel Bronzed, or Red
Bronzed ... **20/-** doz.
 $\frac{3}{8}$ -in. Projection $8\frac{1}{2}$ -in. Back $1\frac{1}{2}$ -in.



No. W2211.
 $\frac{3}{8}$ -in. Projection $9\frac{1}{4}$ -in. Back $2\frac{3}{4}$ -in.
Polished Brass ... **3/9** each.
Antique Copper ... **4/3** "



No. W2255. Swing.
Polished, Steel Bronzed, or Red
Bronzed ... **29/-** doz.
 $\frac{3}{8}$ -in. Projection $8\frac{1}{2}$ -in. $1\frac{1}{2}$ -in. Back.

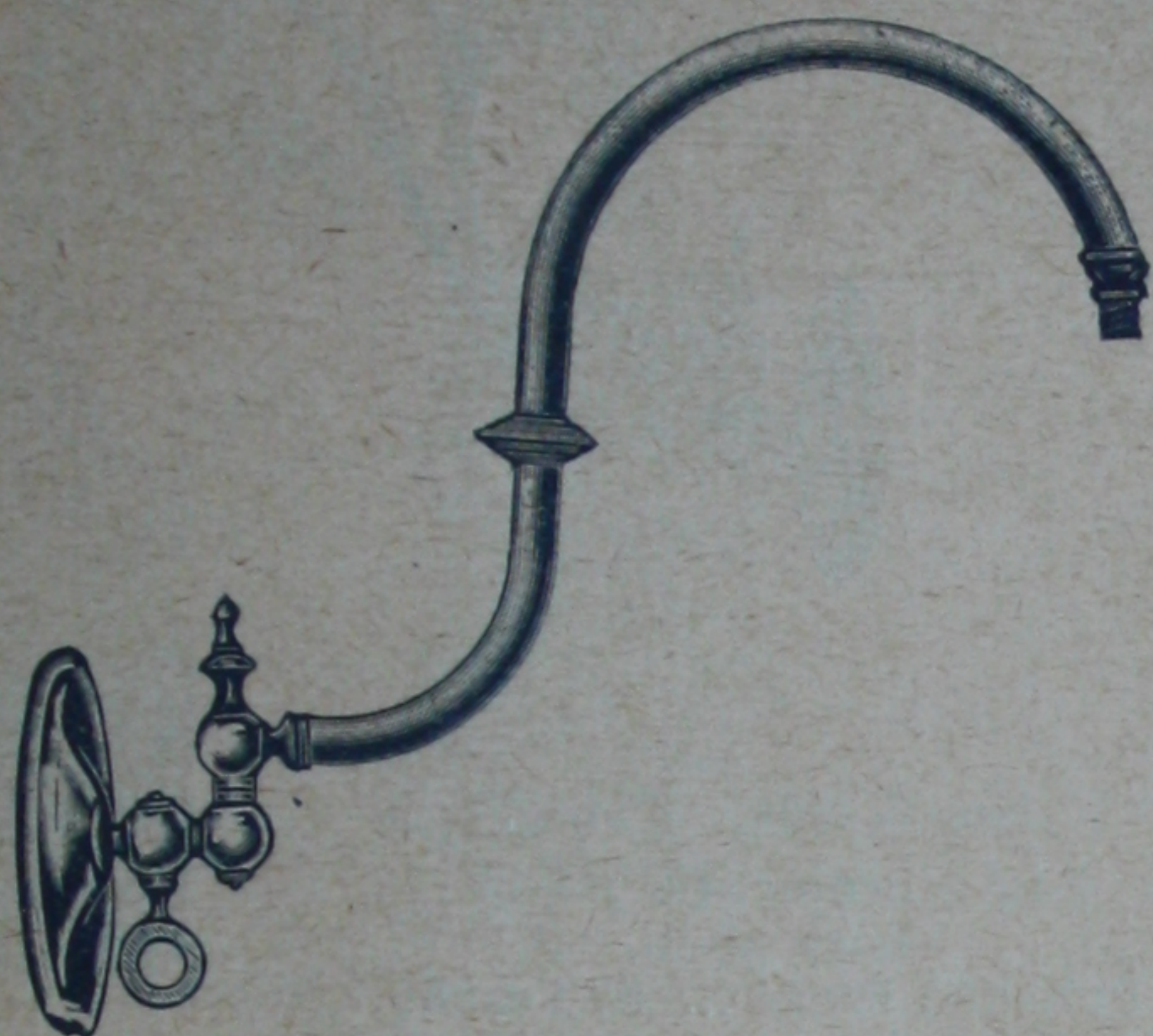


No. W2001.
 $\frac{3}{8}$ -in. Projection 10-in. Back $3\frac{1}{4}$ -in. diam.
Polished Brass ... **3/-** each.
Antique Copper ... **3/3** "

BURNERS AND GLOBES EXTRA.

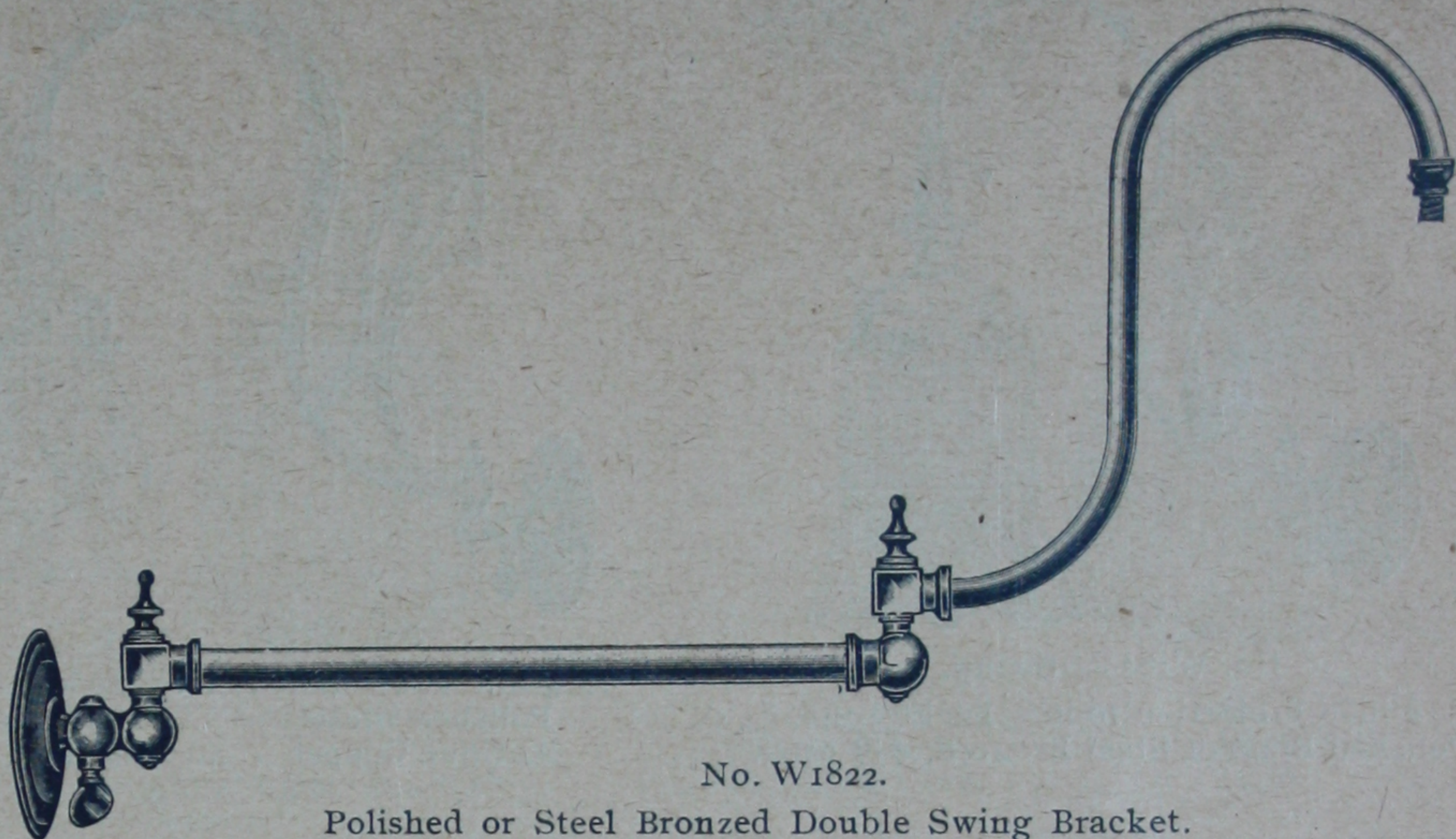
WELSBACH LIGHT

INVERTED BRACKETS.



No. W1821.

Polished or Steel Bronzed Swing Bracket.
 $\frac{1}{2}$ -in. Tube $\times$ 10-in. High $\times$ 11-in. Projection, 4-in. Back.
 5/- each.



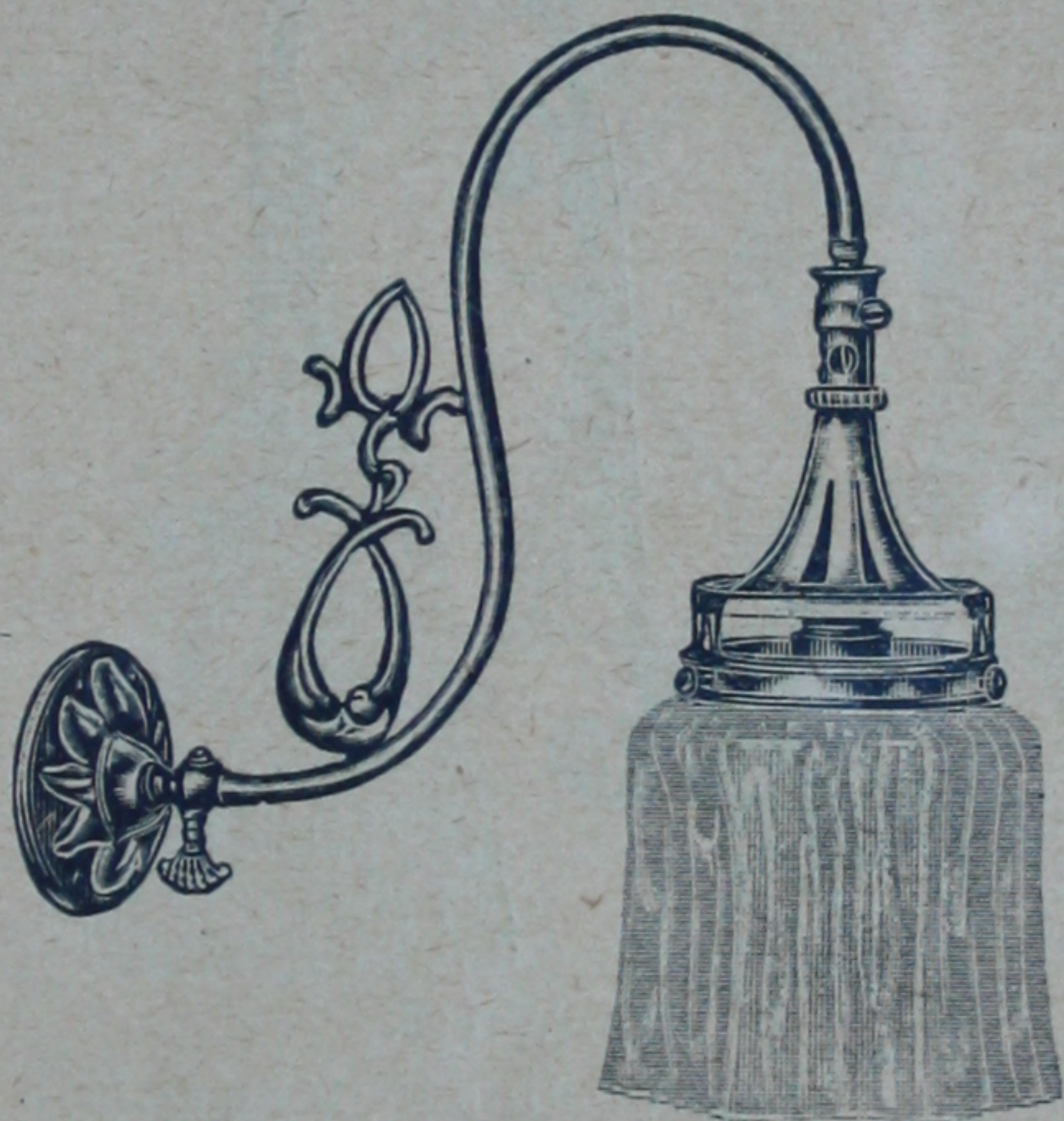
No. W1822.

Polished or Steel Bronzed Double Swing Bracket.
 $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ -in. $\times$ 21-in. with $3\frac{1}{2}$ -in. Back ... 6/- each.
 $\frac{1}{2}$ -in. $\times$ $\frac{1}{2}$ -in. $\times$ 24-in. with $3\frac{1}{2}$ -in. Back ... 7/3 "



No. W2267.

$\frac{3}{8}$ -in. Projection 9-in.
 Back $2\frac{1}{4}$ -in.
 Each.
 Polished Brass 3/4
 Antique Copper 3/9



No. W1823.

$\frac{3}{8}$ -in. Projection 10-in., Back $3\frac{1}{2}$ -in.
 Polished Brass or Steel Bronzed.
 4/- each.



No. W2268.

$\frac{3}{8}$ -in. Projection $9\frac{1}{4}$ -in., Back $3\frac{1}{4}$ -in.
 Each.
 Polished Brass, with Copper Leaf 4/9
 Antique Copper ... 5/3



No. W1824.

$\frac{3}{8}$ -in. Projection $9\frac{1}{2}$ -in., Back $3\frac{1}{2}$ -in.
 Polished Brass - 4/9 each.
 Antique Copper 5/3 "



No. W2003. Swing.

$\frac{3}{8}$ -in. Projection $7\frac{1}{2}$ -in.
 Back $2\frac{1}{4}$ -in. diam.
 Polished Brass ... 3/6 each.
 Antique Copper ... 4/- "



No. W805.

$\frac{3}{8}$ -in. Projection 10-in., Back $4\frac{1}{2}$ -in.
 Polished Brass ... 5/6 each.
 Antique Copper ... 6/3 "

BURNERS AND GLOBES EXTRA.

WELSBACH LIGHT

INVERTED BRACKETS.



No. W1825. Swing.
 $\frac{3}{8}$ -in. Projection 10-in. Back $3\frac{1}{2}$ -in.
 Polished Brass or Steel Bronzed, 4/9 each.



No. W1826. Swing.
 $\frac{3}{8}$ -in. Projection 11-in. Back $3\frac{1}{2}$ -in.
 Polished Brass ... 5/9 each.
 Antique Copper ... 6/3 "



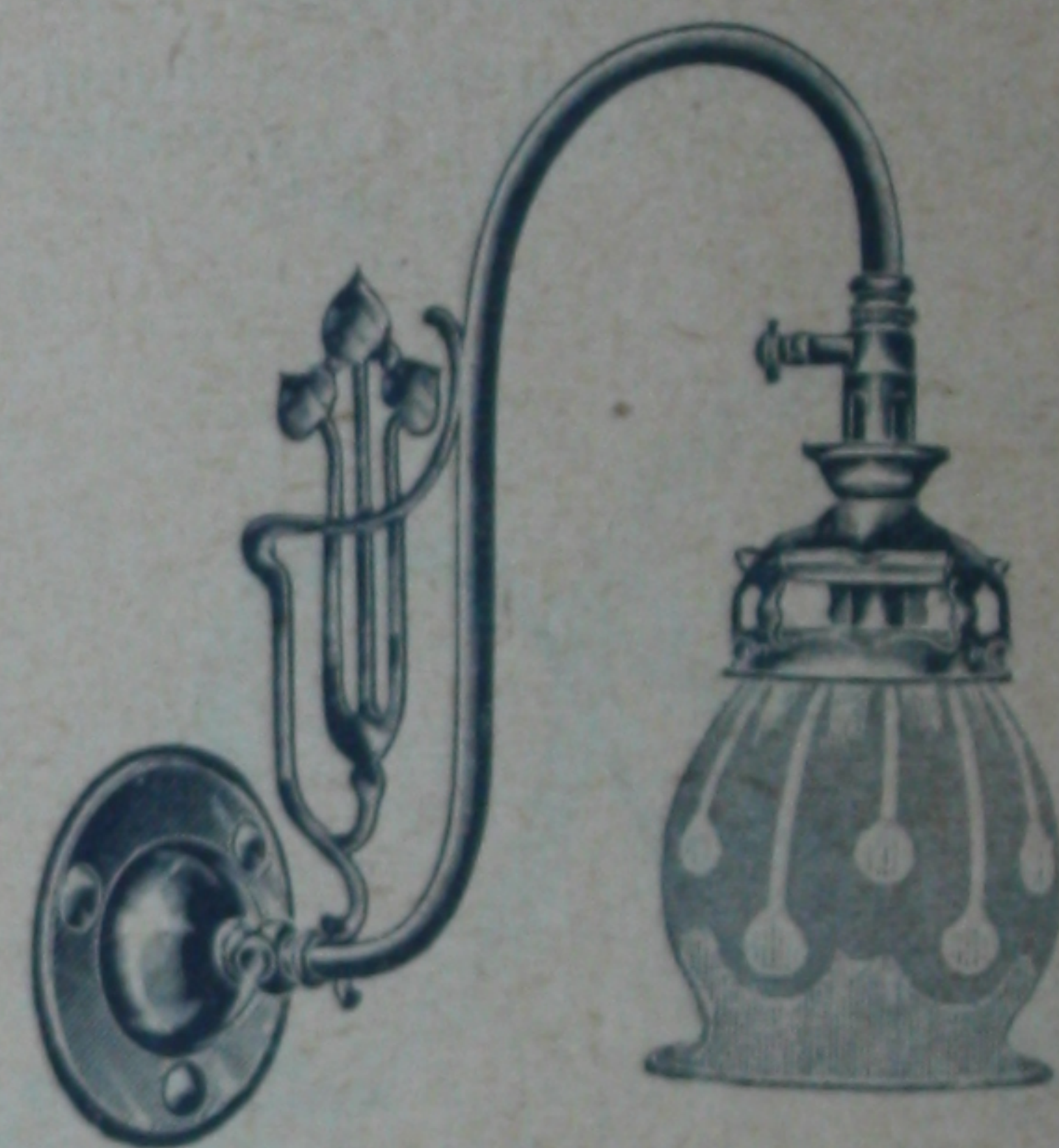
No. W2272. Swing.
 $\frac{3}{8}$ -in. Projection 10 $\frac{1}{2}$ -in.
 Back $3\frac{1}{2}$ -in.
 Polished Brass ... 6/3 each.
 Antique Copper... 7/6 "



No. W1827.
 $\frac{1}{8}$ -in. Projection 8 $\frac{1}{2}$ -in. Back $3\frac{1}{2}$ -in.
 Polished Brass ... 6/3 each.
 Antique Copper ... 6/9 "



No. W1828.
 $\frac{3}{8}$ -in. Projection 10-in. Back $4\frac{1}{2}$ -in.
 Polished Brass ... 7/- each.
 Antique Copper ... 7/6 "



No. W1829.
 $\frac{3}{8}$ -in. Projection 10-in. Back $4\frac{1}{2}$ -in.
 Polished Brass ... 8/- each.
 Antique Copper ... 8/6 "

No. W1833. As above, but Swing.
 Polished Brass ... 8/6 each.
 Antique Copper ... 9/- "



No. W2012.
 $\frac{1}{8}$ -in. Projection 8-in. Back $3\frac{1}{2}$ -in. diam.
 Polished Brass ... 7/3 each.
 Antique Copper ... 8/- "



No. W851. Stiff.
 $\frac{3}{8}$ -in. Projection 8-in. Back 4-in.
 Polished Brass... 8/- each.
 Antique Copper ... 9/- "



No. W2019.
 $\frac{3}{8}$ -in. Projection 13-in.
 Back 4-in. diam.
 Polished Brass ... 10/- each.
 Antique Copper ... 11/- "

BURNERS AND GLOBES EXTRA.

WELSBACH LIGHT

INVERTED BRACKETS.



No. W1830.
 $\frac{3}{8}$ -in. Reeded Tube Projection 8-in. Back 4-in.
 Polished Brass ... **9/6** each
 Oxydised Silver ... **11/6** „



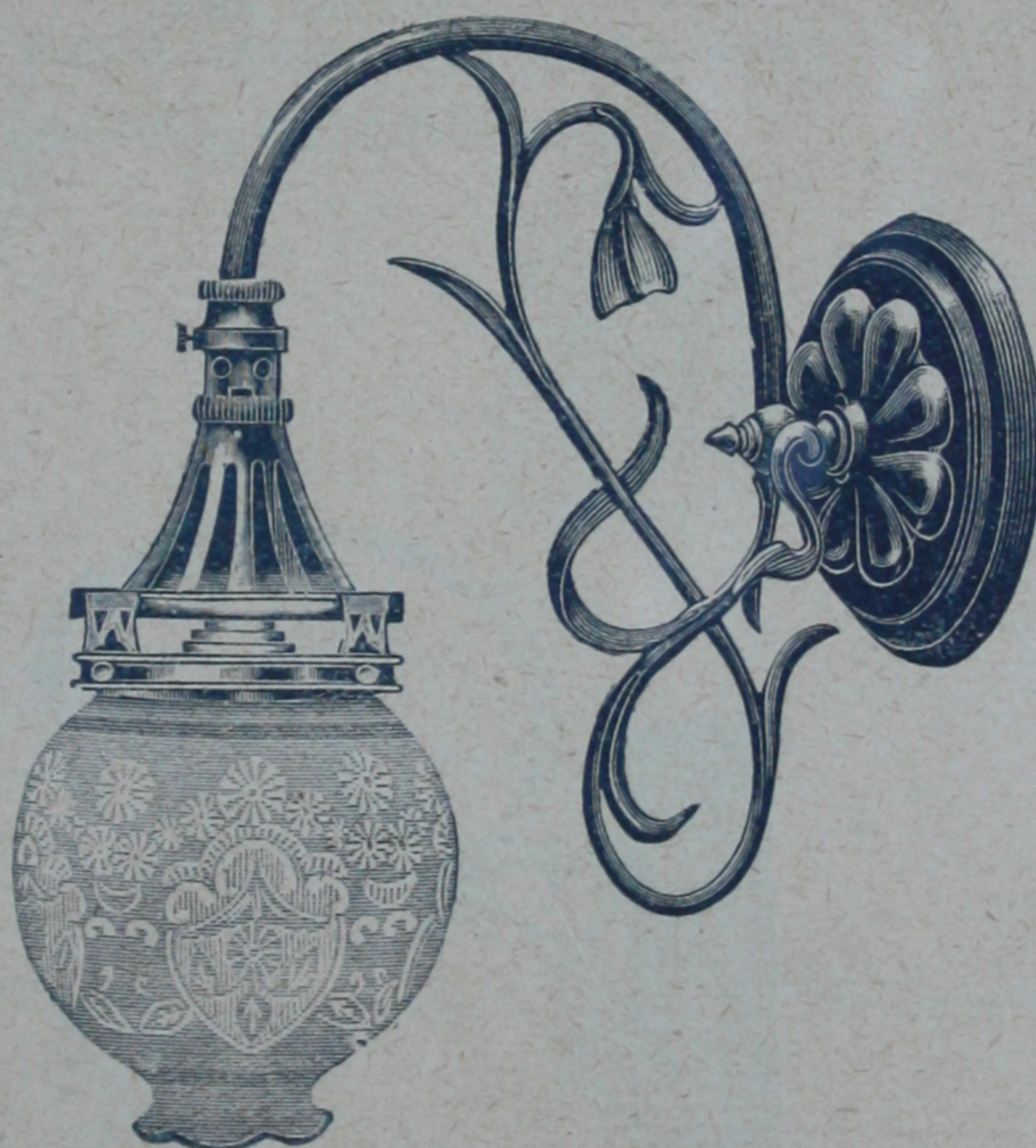
No. W1831.
 $\frac{3}{8}$ -in. Square Tube Projection 9-in. Back 4-in.
 Polished Brass or Antique Copper **9/-** each
 Ditto Swing 10-in. Projection ... **11/-** „



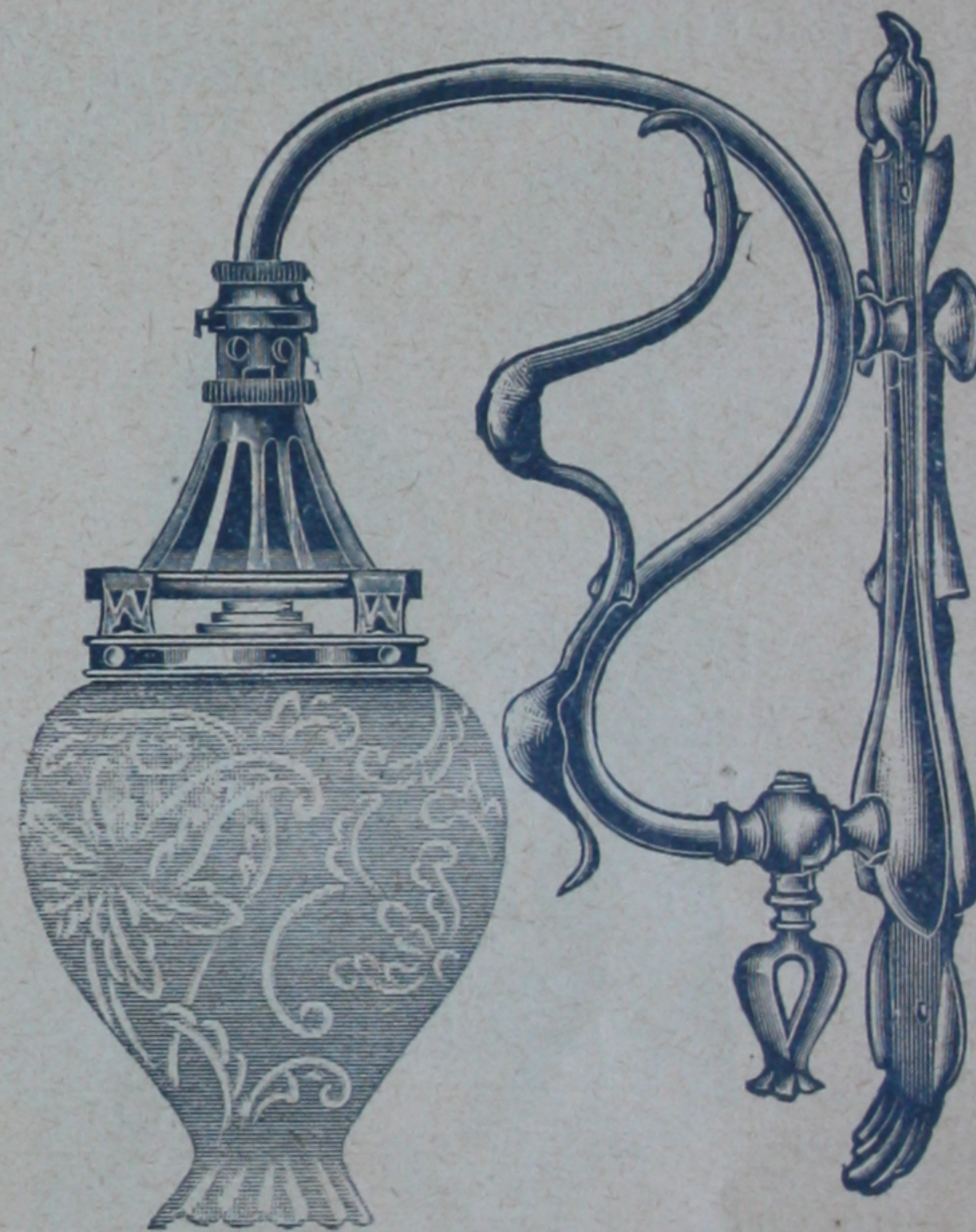
No. W1832.
 $\frac{7}{16}$ -in. Projection 12-in. Back 4-in.
 Polished Brass ... **10/6** each
 Oxydised Silver ... **12/6** „



No. W803.
 $\frac{3}{8}$ -in. Projection 11-in. Back 4-in.
 Polished Brass ... **9/6** Antique Copper ... **10/6** each.



No. W852.
 $\frac{7}{16}$ -in. Projection 9-in. Back 4-in.
 Polished Brass, **10/6** Antique Copper, **11/9** each.



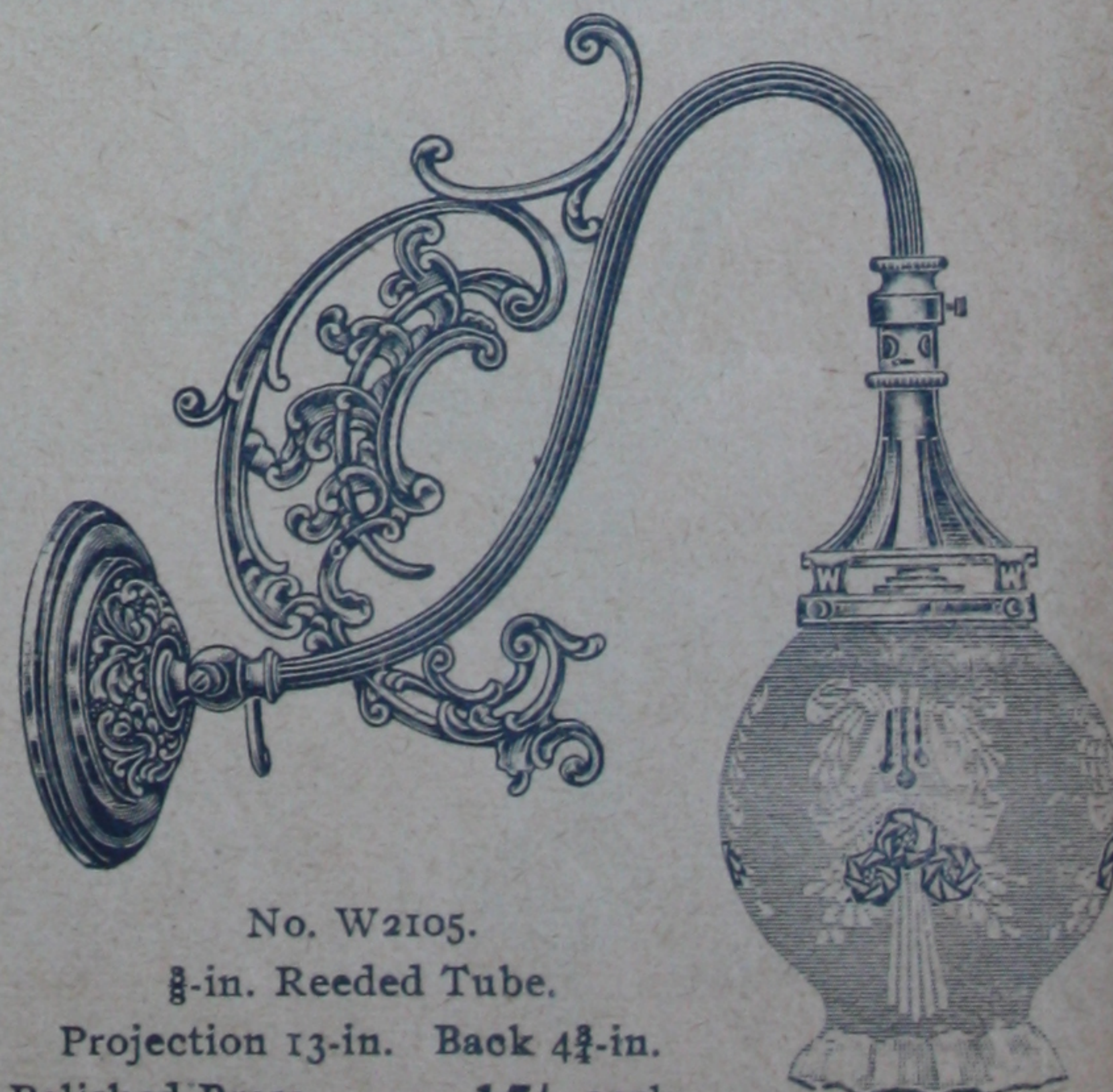
No. W807.
 $\frac{3}{8}$ -in. Projection 7-in. Back 12-in.
 Polished Brass, **12/-** Antique Copper, **13/-** each.



No. W2083.
 $\frac{3}{8}$ -in. Projection 9-in. Back 10-in. diam.
 Polished Brass ... **11/6** each.
 Antique Copper ... **12/6** „



No. W808.
 $\frac{7}{16}$ -in. Projection 12-in. Back 4-in.
 Polished Brass ... **11/6** each.
 Antique Copper ... **12/6** „



No. W2105.
 $\frac{3}{8}$ -in. Reeded Tube.
 Projection 13-in. Back 4 $\frac{1}{2}$ -in.
 Polished Brass ... **17/-** each.
 Antique Copper ... **18/6** „

No. W1974.
 Wood Blocks, Ebonized, Walnut,
 Mahogany, or White Enamel, **2/9** each.

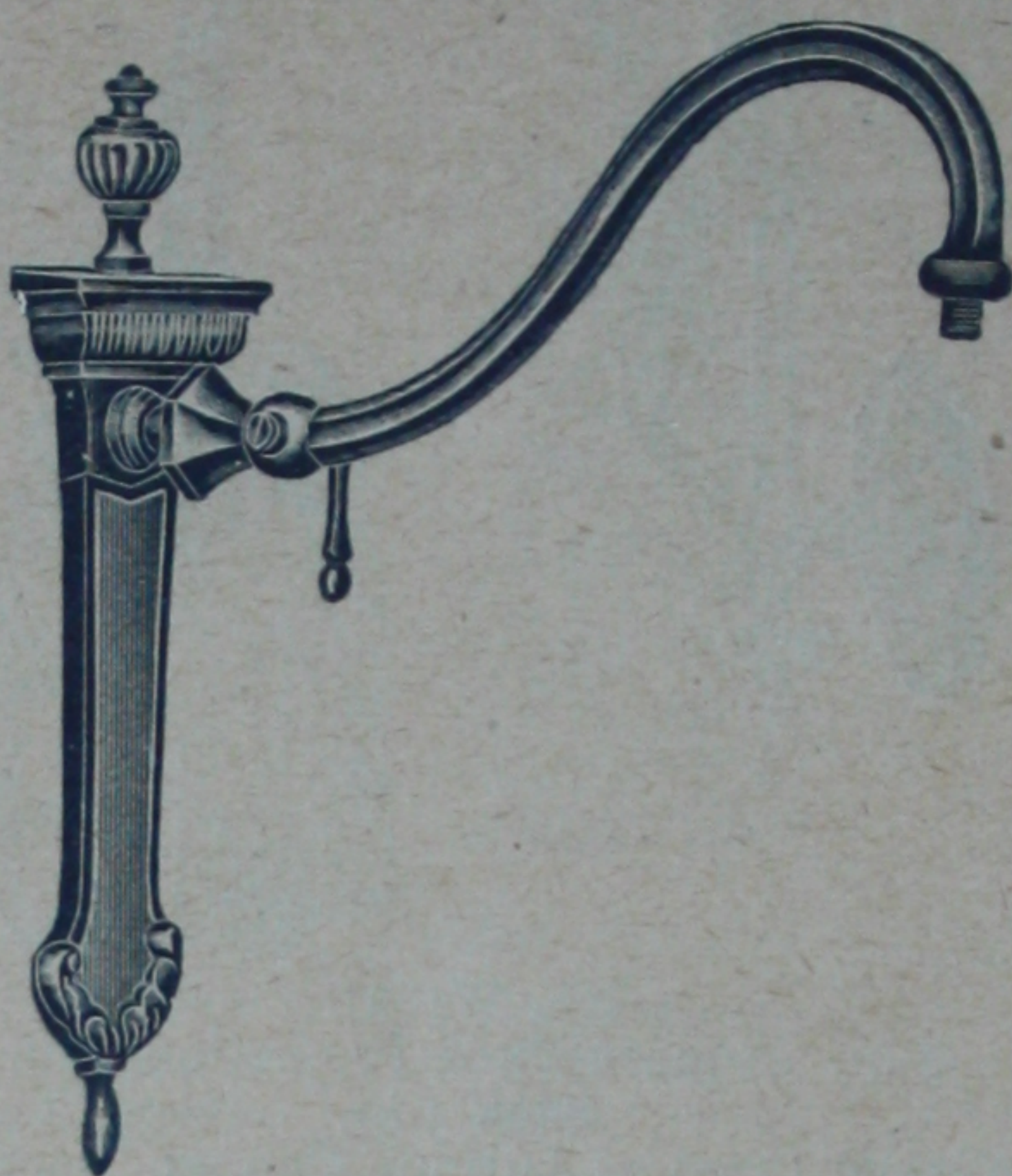
BURNERS AND GLOBES EXTRA.

WELSBACH LIGHT

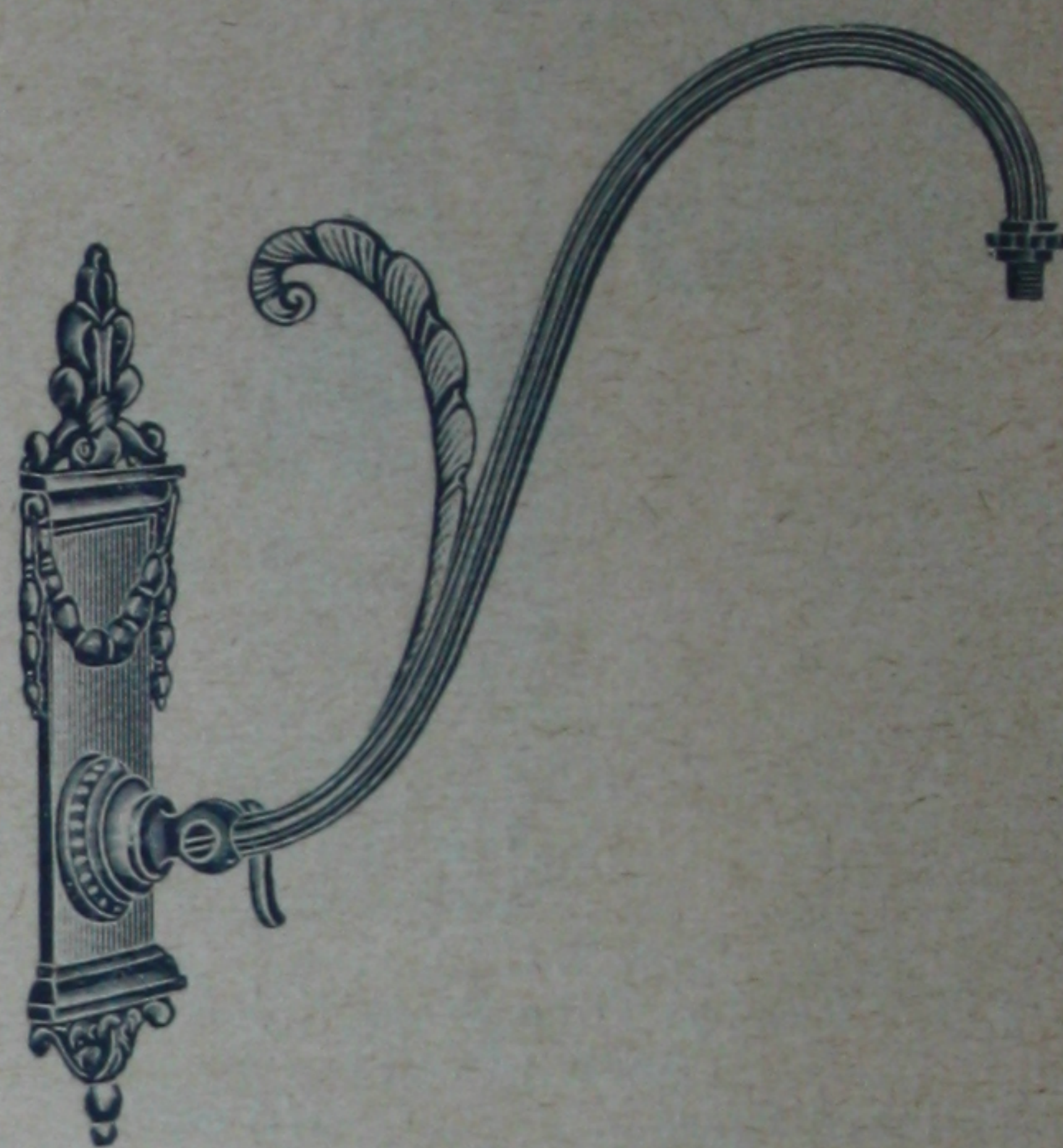
INVERTED BRACKETS.



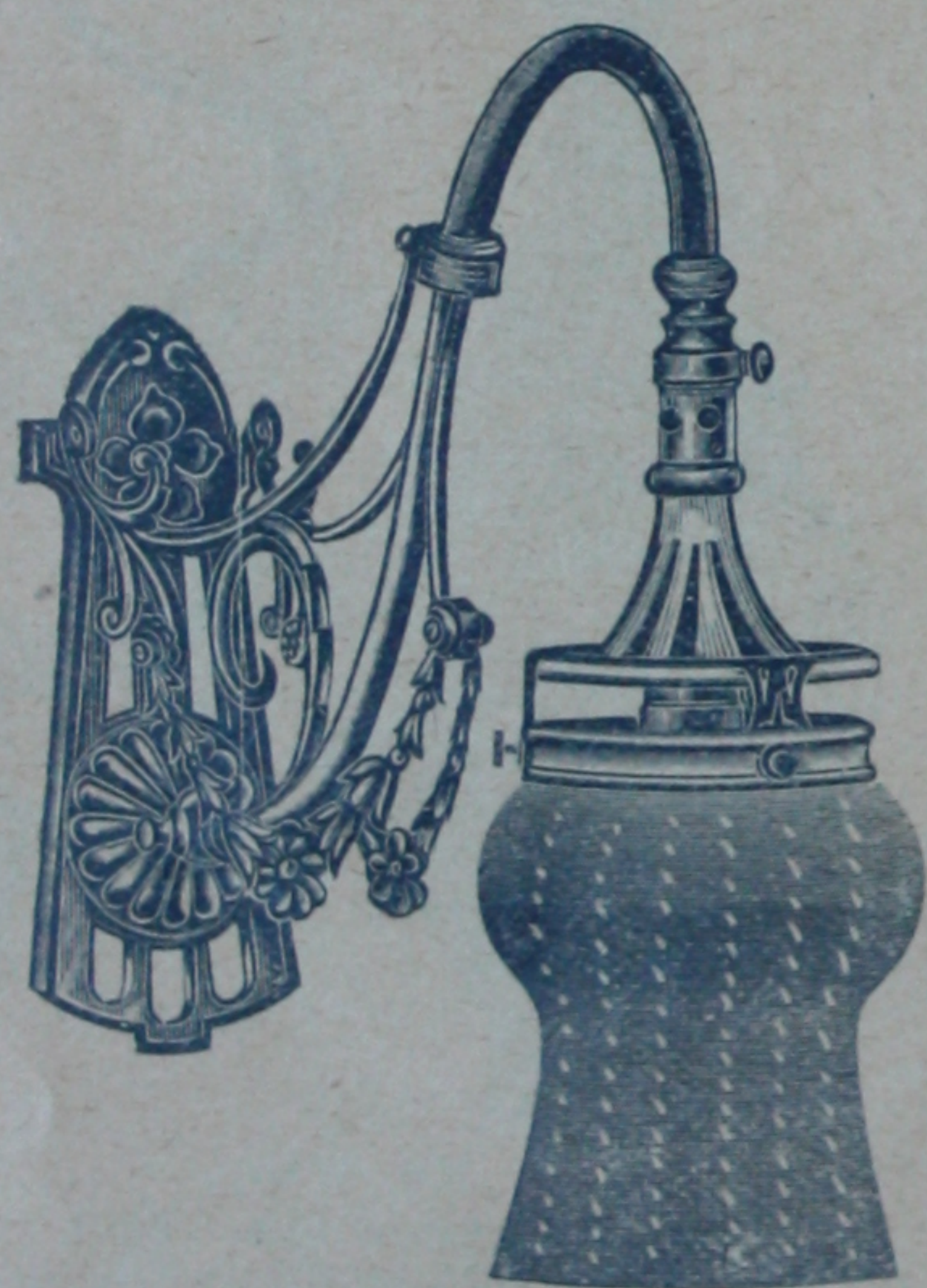
No. W1834.
 $\frac{3}{8}$ -in. Square Tube. 10-in. Projection. 4-in. Back.
 Polished Brass, **13/6** each.
 Oxydised Copper, **14/9** each.



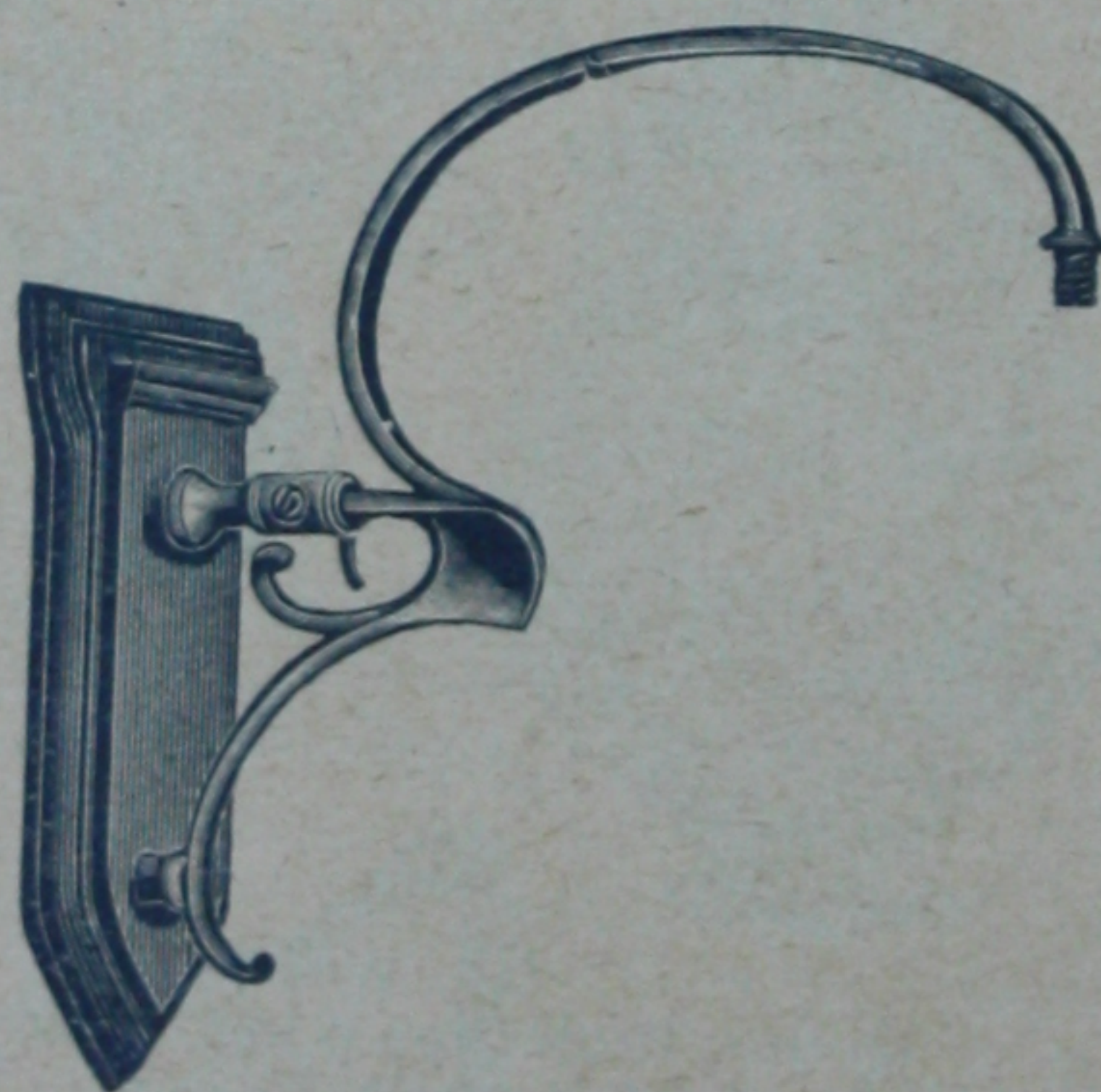
No. W1835.
 $\frac{1}{2}$ -in. Hexagonal Tube. 9-in. Projection.
 11 x 4-in. Back.
 Polished Brass, **18/-**. Antique Copper, **19/6** each.



No. W1836.
 $\frac{3}{8}$ -in. Reeded Tube. 9-in. Projection.
 $6\frac{1}{2}$ x 3-in. Back.
 Dull Gilt Finish, **15/6** each.



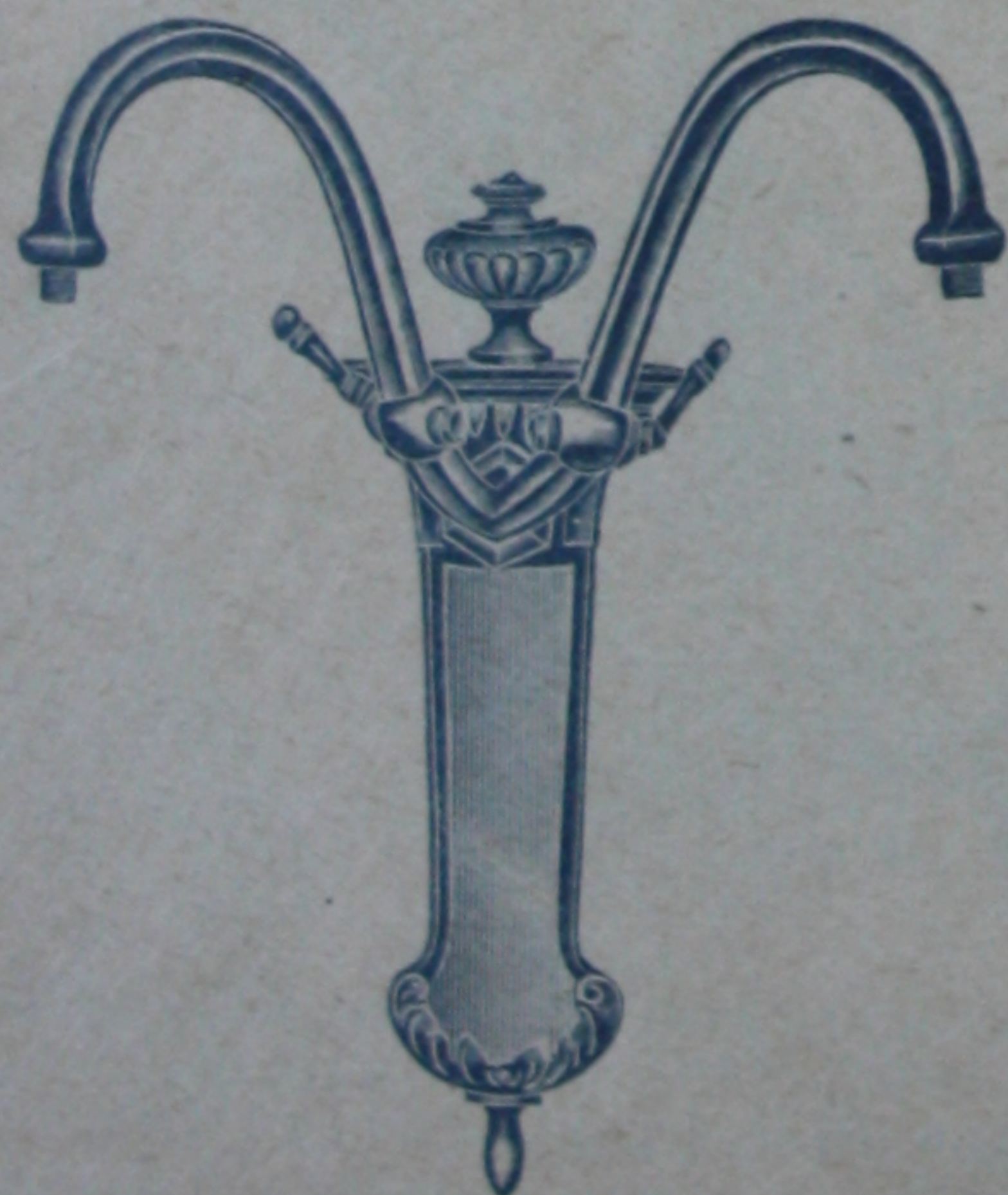
No. W1837.
 $\frac{3}{8}$ -in. Tube. 12-in. Projection. $7\frac{1}{2}$ x 3-in. Cast Back.
 Polished Brass, **16/-** each.
 Shaped Wood Blocks for above, Ebonised, Walnut,
 Mahogany or White Enamelled, **2/9** each.



No. W1839.
 $\frac{7}{16}$ x $\frac{1}{4}$ -in. Tube. 8-in. Projection.
 Antique Brass with Shaped Block, **17/-** each.



No. W1838.
 $\frac{3}{8}$ -in. Square Tube. $8\frac{1}{2}$ -in. Projection.
 $4\frac{1}{2}$ -in. Cast Back.
 Polished Brass, **16/6** each.
 Oxydised Silver, **19/6** „



No. W1840.
 $\frac{1}{2}$ -in. Hexagonal Tube. 8-in. Projection.
 11 x 4-in. Back. $8\frac{1}{2}$ -in. Spread.
 Polished Brass, **24/6** each.
 Antique Copper, **26/-** „

No. W1841.
 $\frac{3}{8}$ -in. Reeded Tube. 9-in. Projection.
 $6\frac{1}{2}$ x 3-in. Back. $8\frac{1}{2}$ -in. Spread.
 Dull Gilt Finish, **24/-** each.



BURNERS AND GLOBES EXTRA.

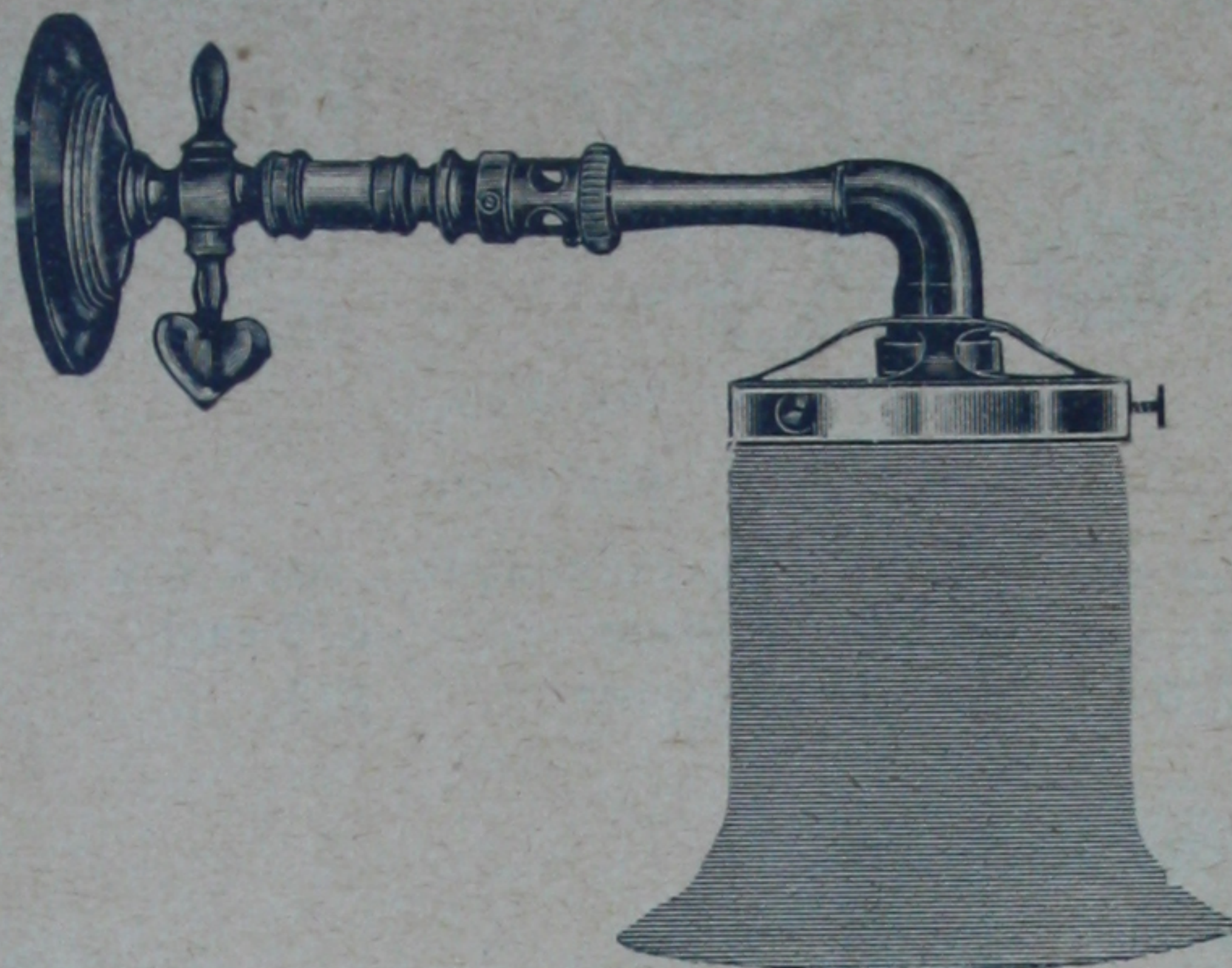
NOTE.—Shaped Wood Blocks, Ebonised, Walnut,
 Mahogany or White Enamelled, for above, **2/9** each.

WELSBACH LIGHT

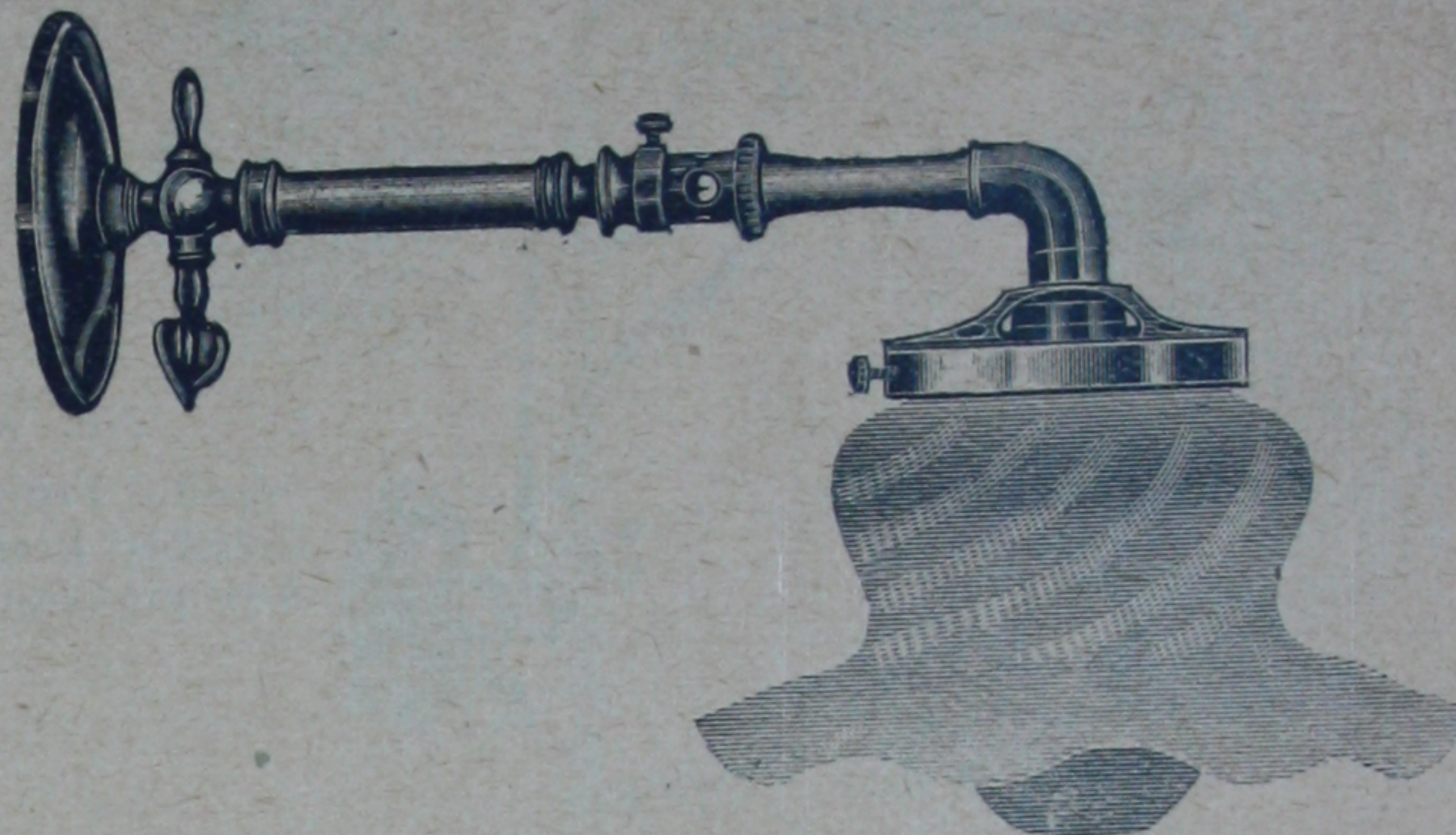
BRACKETS FOR ANGLE BURNERS.



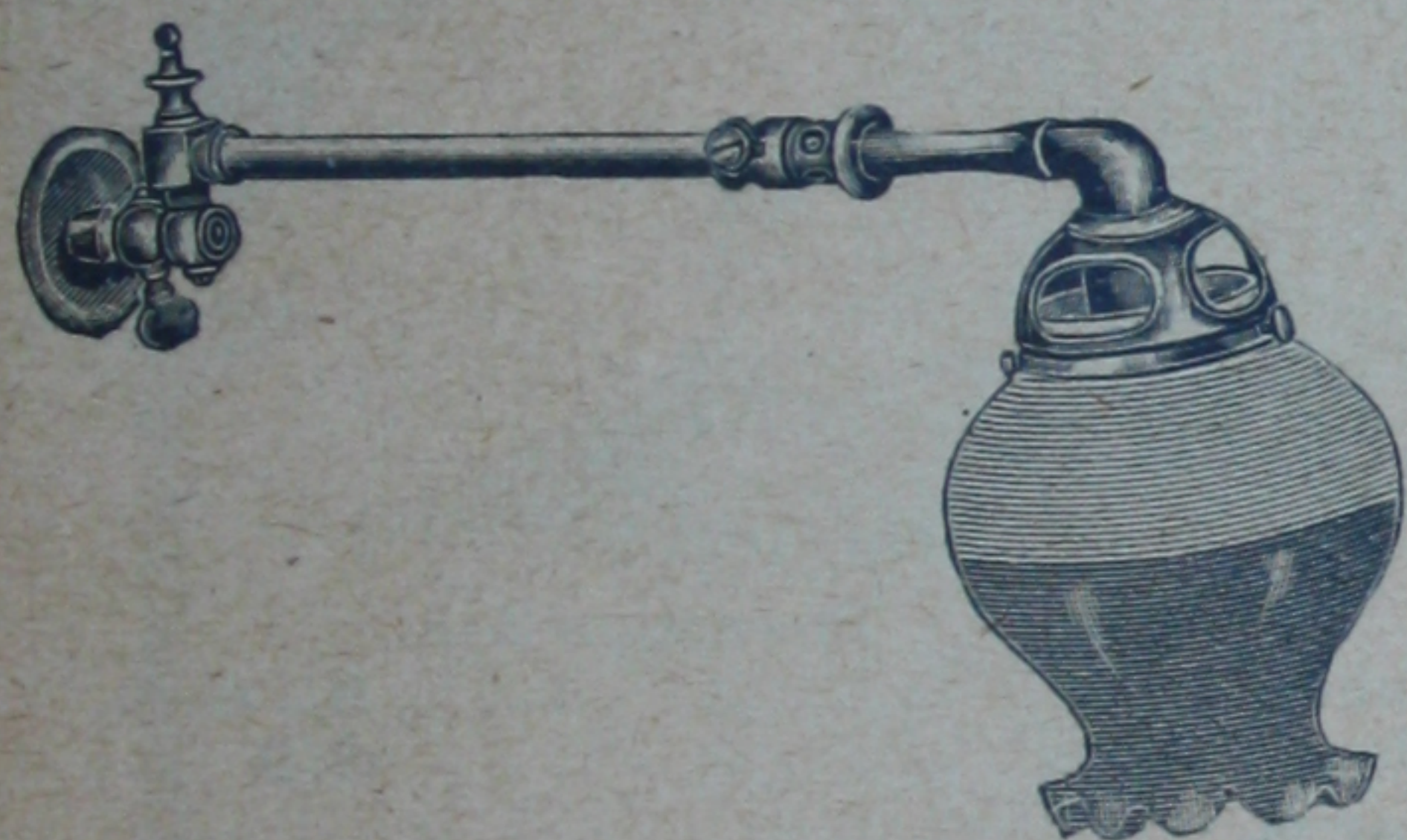
No. W1842.
Stiff Bracket $\frac{3}{8}$ -in., Back 2-in.
Projection $6\frac{1}{2}$ -in.
Polished Brass or Steel Bronzed.
15/6 doz.



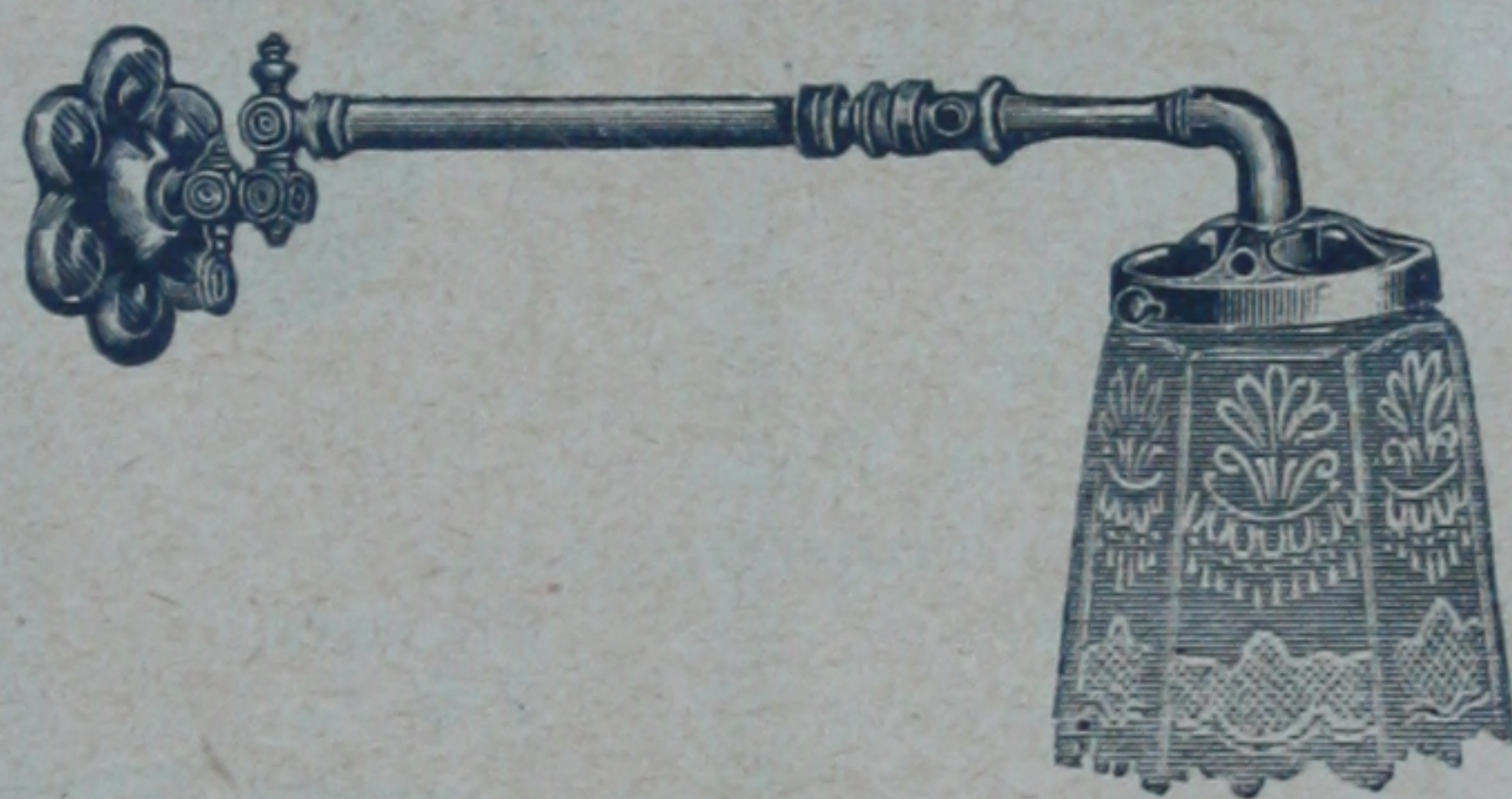
No. W1843.
Heavy Stiff Bracket $\frac{5}{8}$ -in., Back $3\frac{1}{2}$ -in.
Projection 10-in.
Polished Brass or Steel Bronzed.
40/= doz.



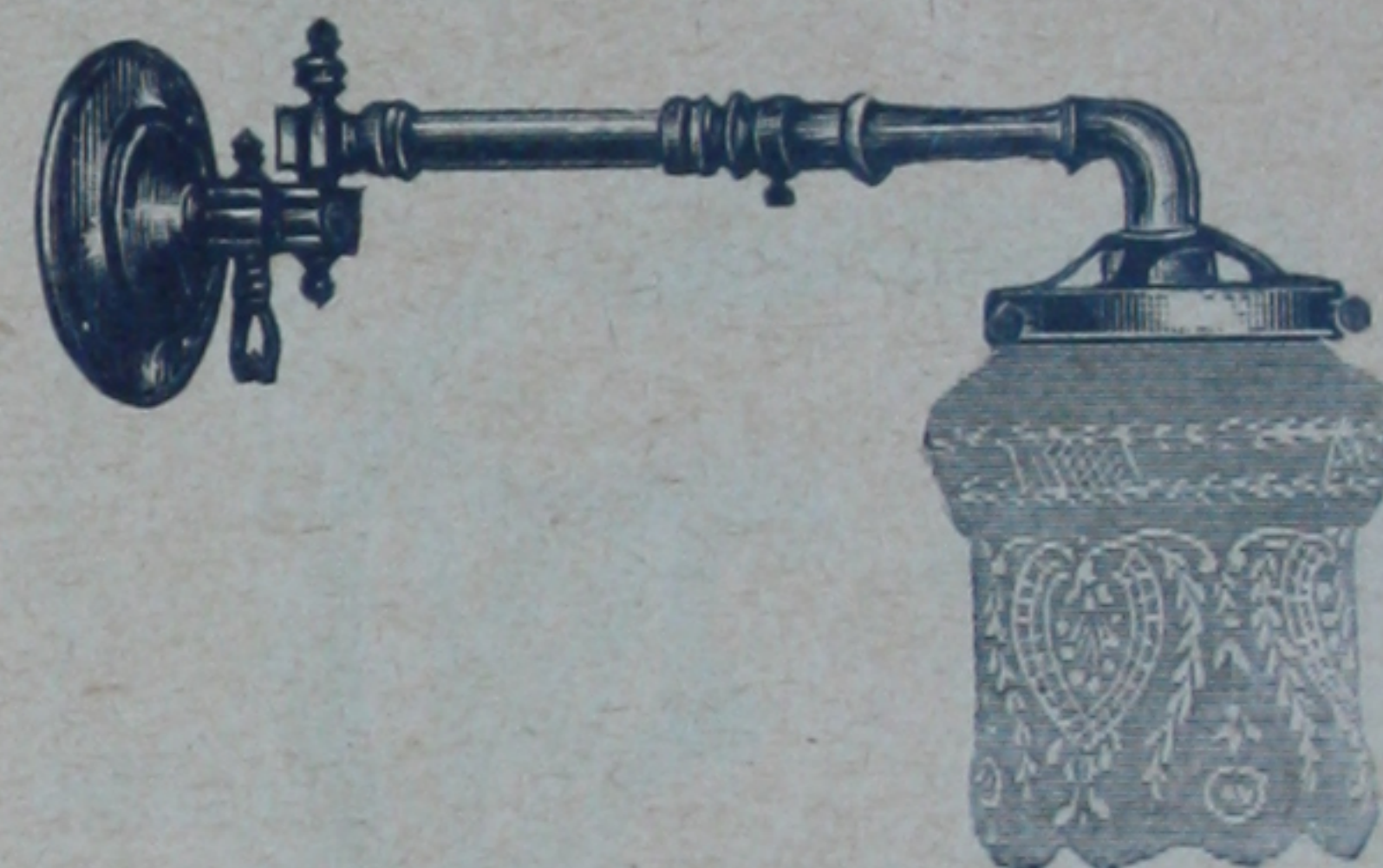
No. W1844.
Heavy Stiff Bracket $\frac{5}{8}$ -in., Back 4-in.
Projection 12-in.
Polished Brass or Steel Bronzed.
46/= doz.



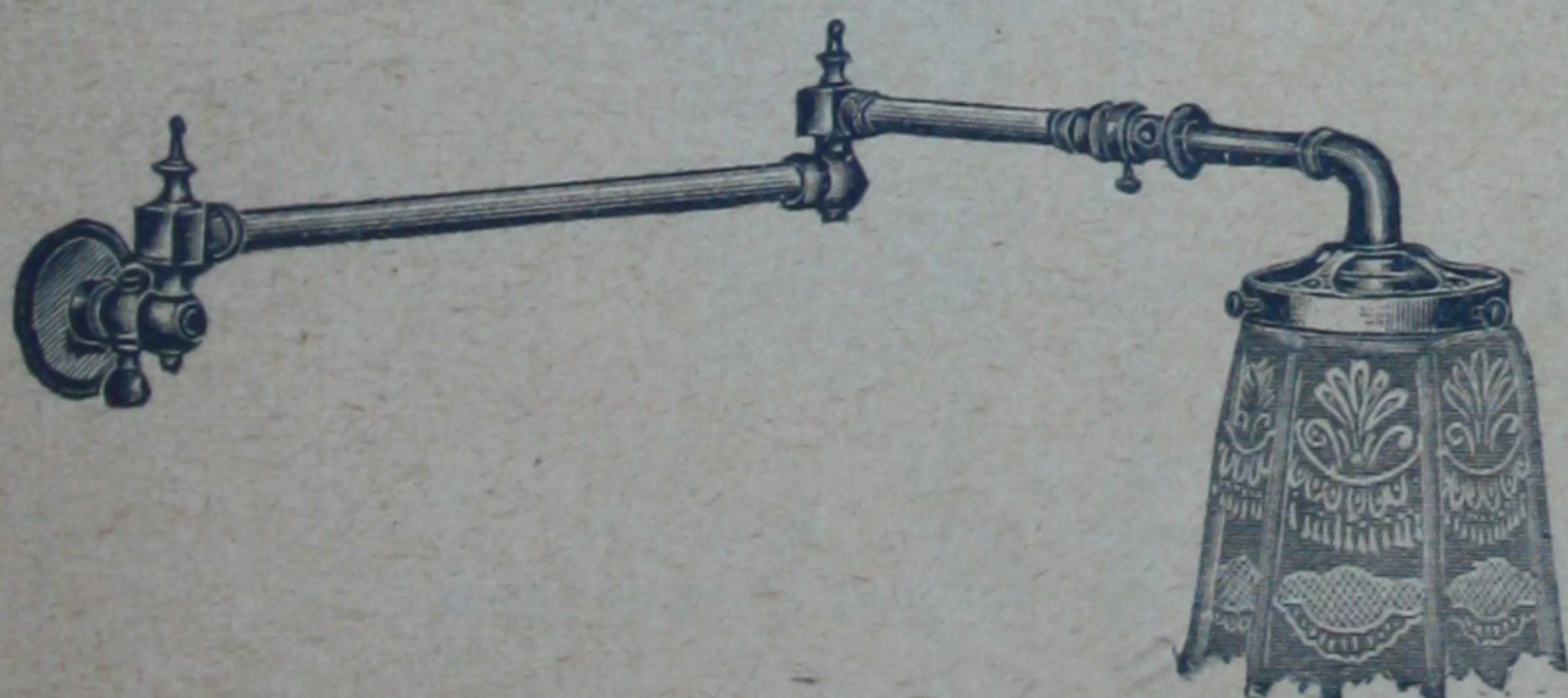
No. W1845. Swing.
Steel Bronzed or Lacquered.
Back 2-in. diam. $\frac{3}{8}$ -in. $\times$ 12-in. **18/=** doz
" " $\frac{1}{2}$ -in. $\times$ 12-in. **25/6** "



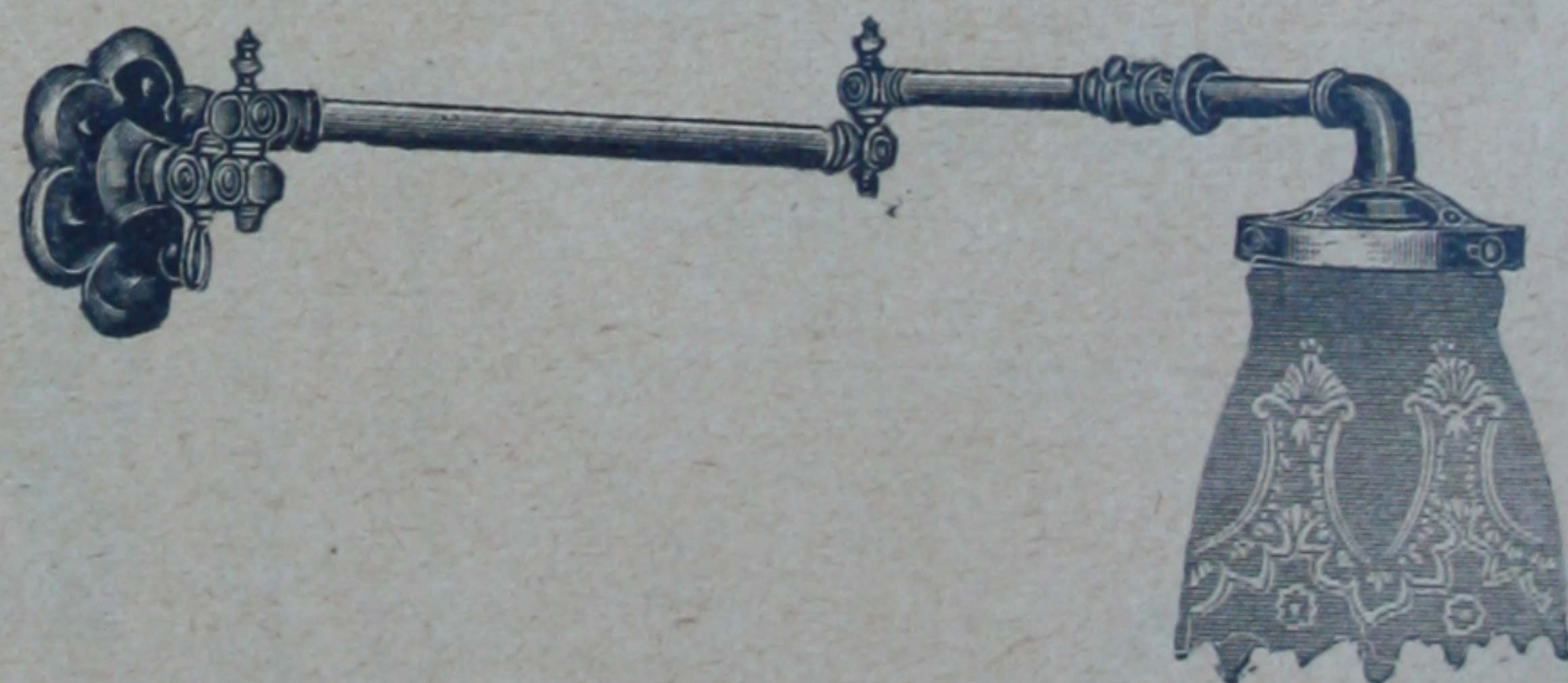
No. W1846. Swing.
Polished.
Back $3\frac{3}{8}$ -in. diam. $\frac{1}{2}$ -in. $\times$ 14-in. **52/-** doz.
" 4-in. " $\frac{5}{8}$ -in. $\times$ 14-in. **62/=** "



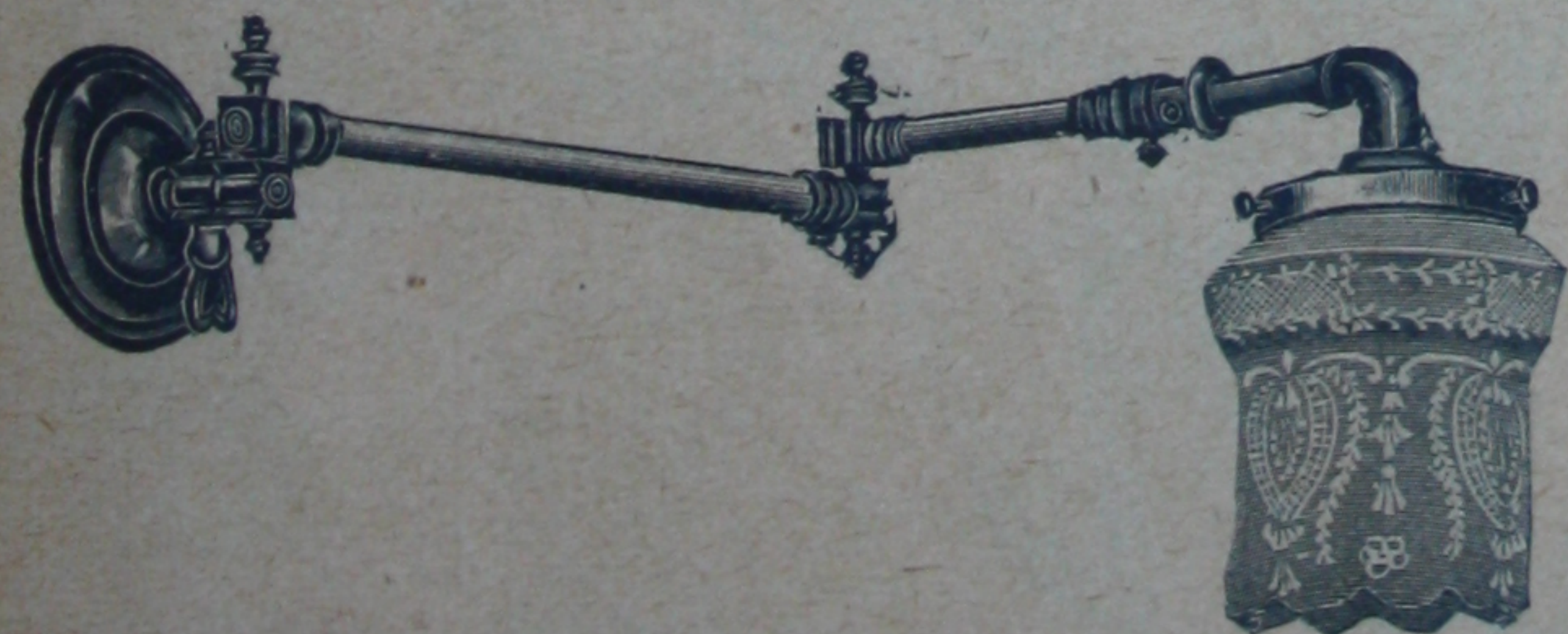
No. W1847. Swing.
Polished.
Cast Back $3\frac{1}{4}$ -in. diam. $\frac{1}{2}$ -in. $\times$ 9-in. **70/=** doz.
" " " $\frac{1}{2}$ -in. $\times$ 12-in. **76/=** "
" $3\frac{1}{4}$ -in. " $\frac{3}{8}$ -in. $\times$ 10-in. **86/=** "
" " " $\frac{5}{8}$ -in. $\times$ 12-in. **87/=** "



No. W1848. Double Swing.
Steel Bronzed or Lacquered.
Back 2-in. diam. $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ -in. $\times$ 24-in. **40/=** doz.
" $2\frac{1}{4}$ -in. " $\frac{5}{8}$ -in. $\times$ $\frac{1}{2}$ -in. $\times$ 24-in. **52/=** "

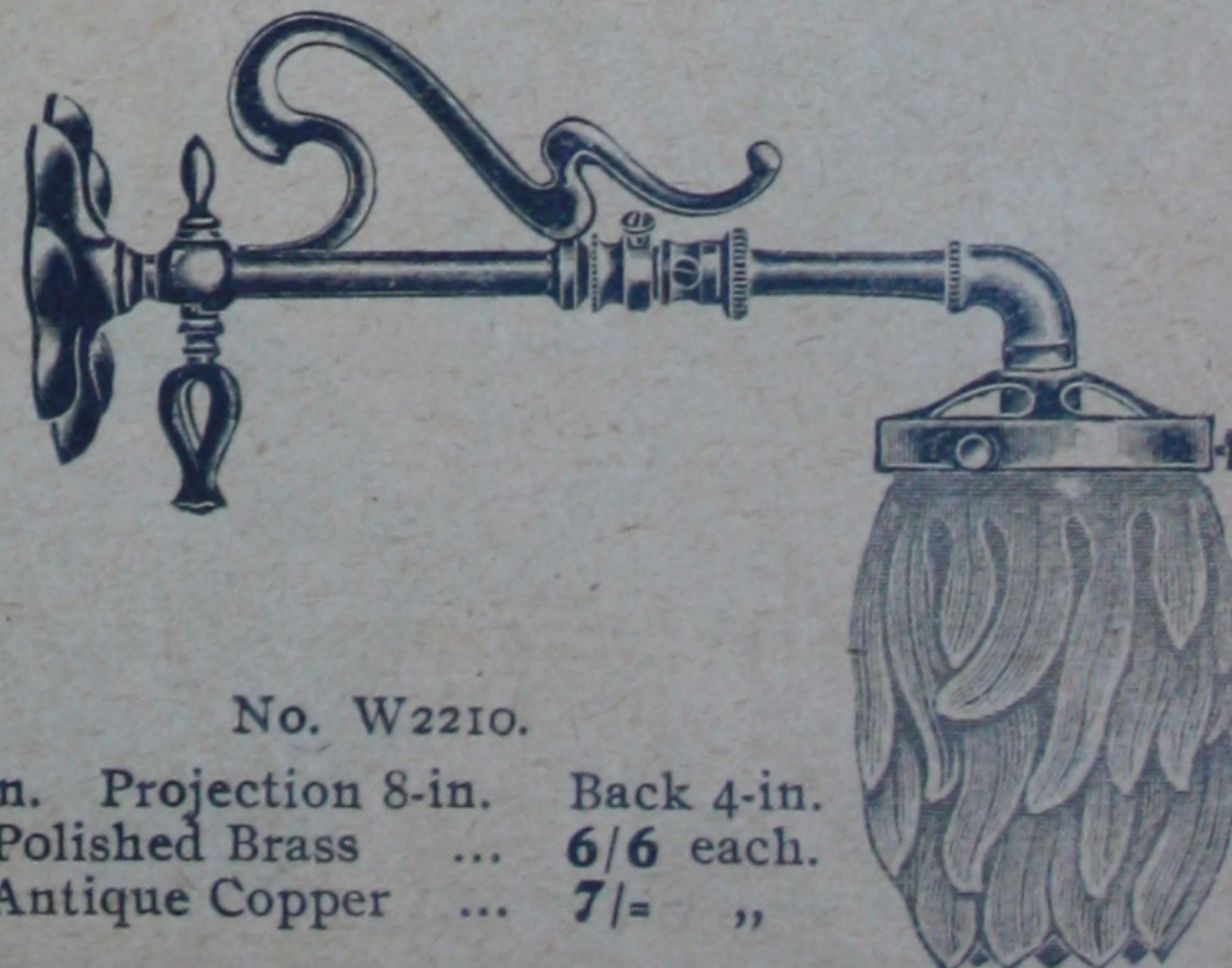


No. W1849. Double Swing.
Polished.
Back $3\frac{3}{8}$ -in. diam. $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ -in. $\times$ 24-in. **74/=** doz.
" 4-in. " $\frac{5}{8}$ -in. $\times$ $\frac{1}{2}$ -in. $\times$ 24-in. **88/6** "



No. W1850. Double Swing.
Polished.
Cast Back $3\frac{3}{8}$ -in. diam. $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ -in. $\times$ 24-in. double **8/=** each.
" $3\frac{1}{4}$ -in. " $\frac{5}{8}$ -in. $\times$ $\frac{1}{2}$ -in. $\times$ 24-in. double **9/6** "

BURNERS & GLOBES EXTRA.

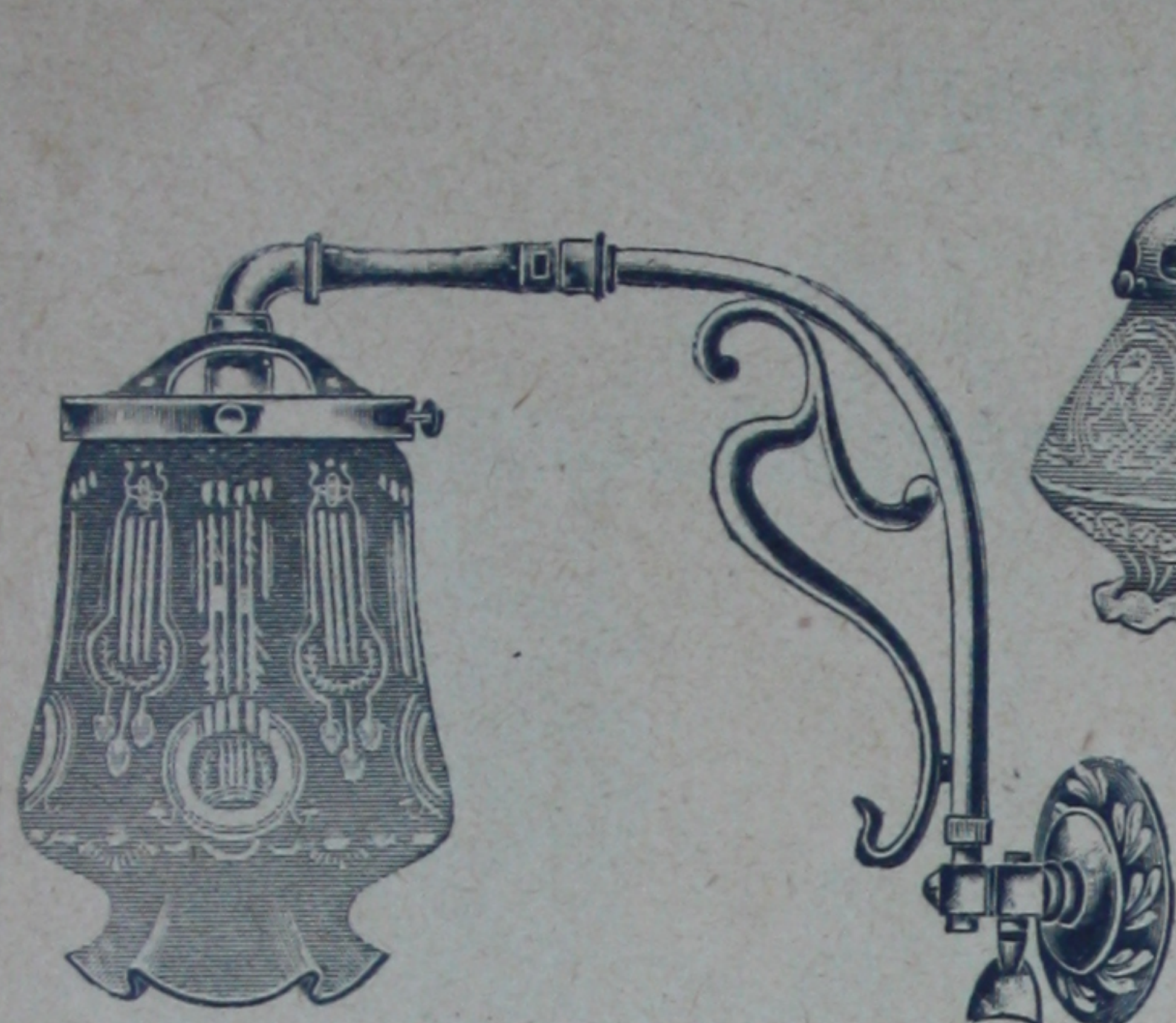


No. W2210.
 $\frac{1}{2}$ -in. Projection 8-in. Back 4-in.
Polished Brass ... **6/6** each.
Antique Copper ... **7/=** "

Numbers 1842 to 1850 the lengths quoted are inclusive of Burners.

WELSBACH LIGHT

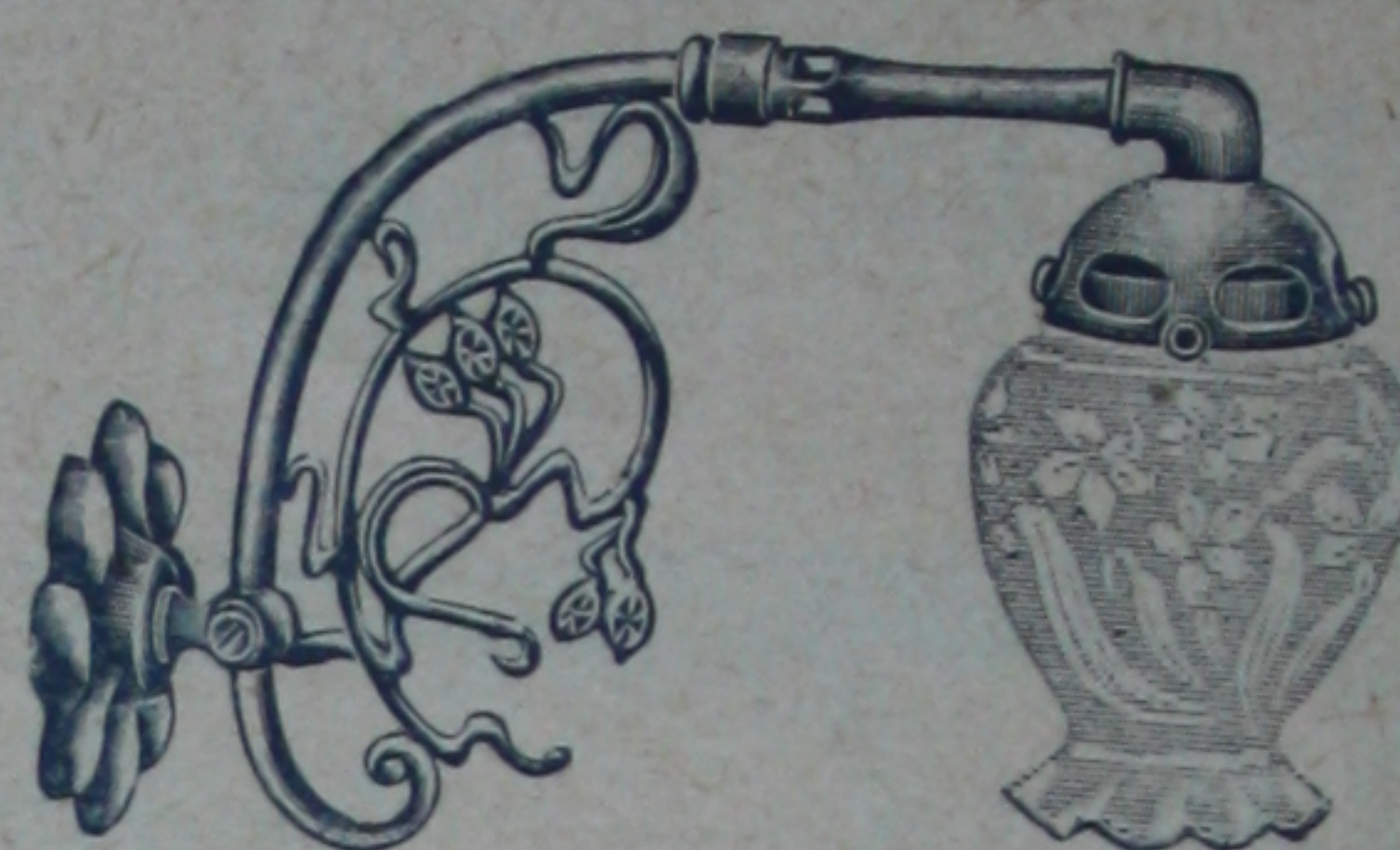
BRACKETS FOR ANGLE BURNERS.



No. W2002. Swing.
 $\frac{3}{8}$ -in. Projection 7-in. Back $2\frac{1}{2}$ -in. diam.
 Polished Brass ... 3/- each.
 Antique Copper ... 3/6 "



No. W978.
 $\frac{5}{16}$ -in. Projection 5-in.
 Polished Brass 7/- each.
 Antique Copper 7/6 "



No. W2095.
 For Gem.
 $\frac{5}{16}$ -in. Projection $4\frac{1}{2}$ -in. Back 3-in.
 Polished Brass ... 6/9 each.
 Antique Copper ... 7/3 "



No. W2096.
 For Gem.
 $\frac{5}{16}$ -in. Projection 5-in. Back $3\frac{1}{2}$ -in.
 Polished Brass ... 8/- each.
 Antique Copper ... 8/9 "



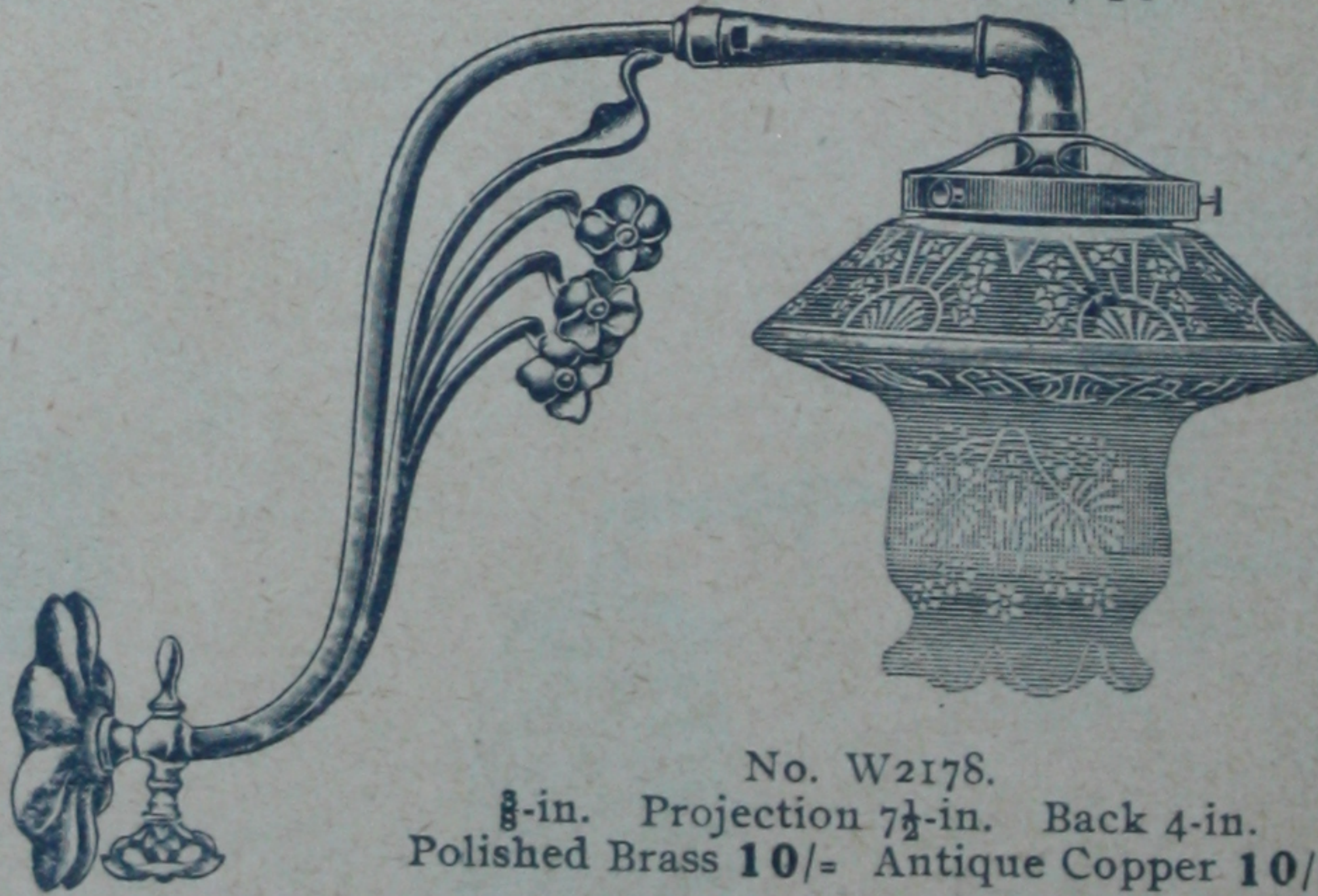
No. W981.
 $\frac{3}{8}$ -in. Projection 7-in.
 Antique Copper ... 8/- each.



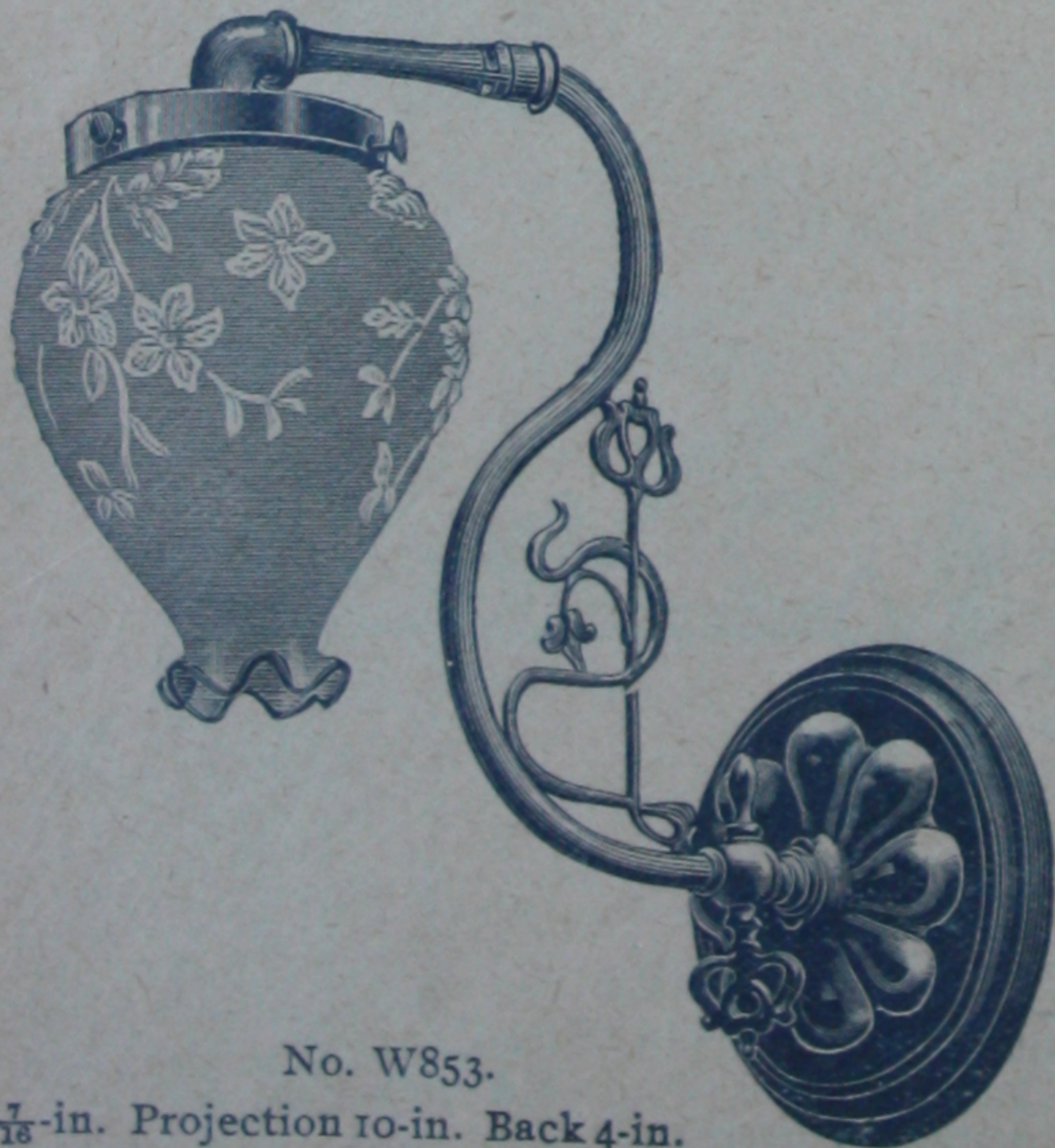
No. W982.
 $\frac{5}{16}$ -in. Projection 6-in.
 Polished Brass ... 7/- each.
 Antique Copper ... 7/6 "



No. W980.
 $\frac{3}{8}$ -in. Projection 8-in.
 Polished Brass ... 8/- each.
 Antique Copper ... 8/9 "



No. W2178.
 $\frac{3}{8}$ -in. Projection $7\frac{1}{2}$ -in. Back 4-in.
 Polished Brass 10/- Antique Copper 10/6 each



No. W853.
 $\frac{7}{16}$ -in. Projection 10-in. Back 4-in.
 Polished Brass 10/- Antique Copper 11/- each.



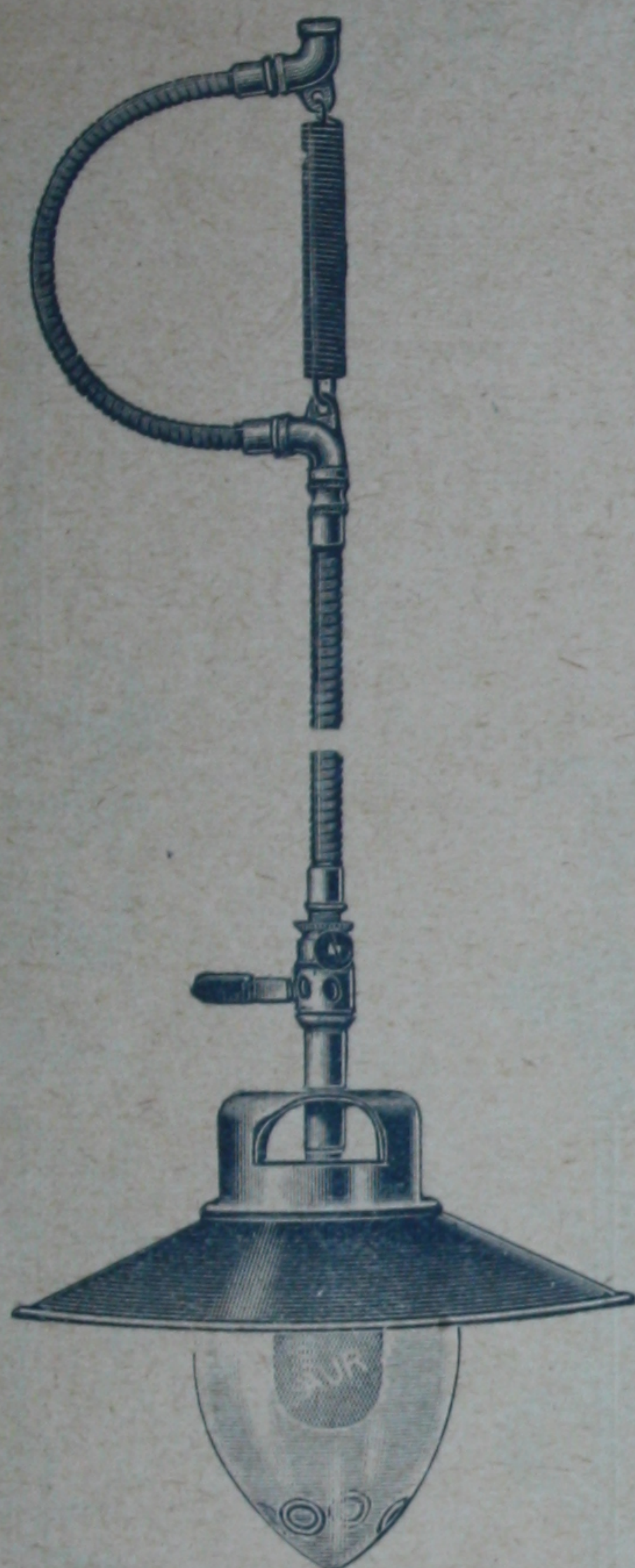
No. W854.
 $\frac{7}{16}$ -in. Projection $11\frac{1}{2}$ -in. Back 12-in.
 Polished Brass 13/- Antique Copper 14/- each.
 No. W1974. Wood Blocks in Ebonized, Walnut or White Enamel 2/9 each.
BURNERS AND GLOBES EXTRA.



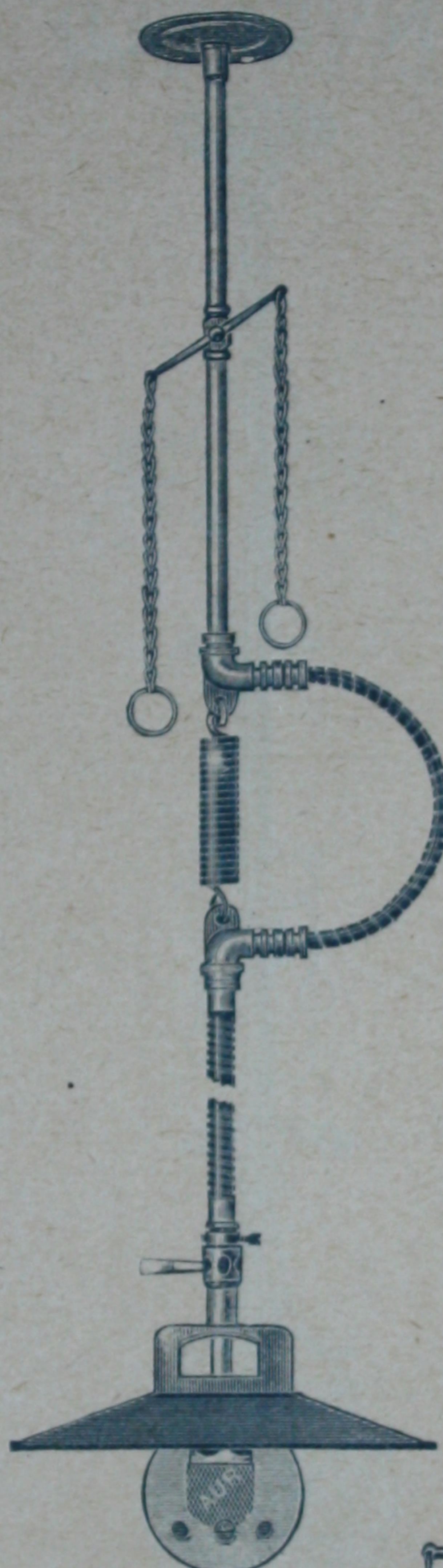
No. W2094.
 $\frac{3}{8}$ -in. Projection $6\frac{1}{2}$ -in. Back 4-in.
 Polished Brass ... 11/6 each.
 Antique Copper ... 12/- "

WELSBACH LIGHT

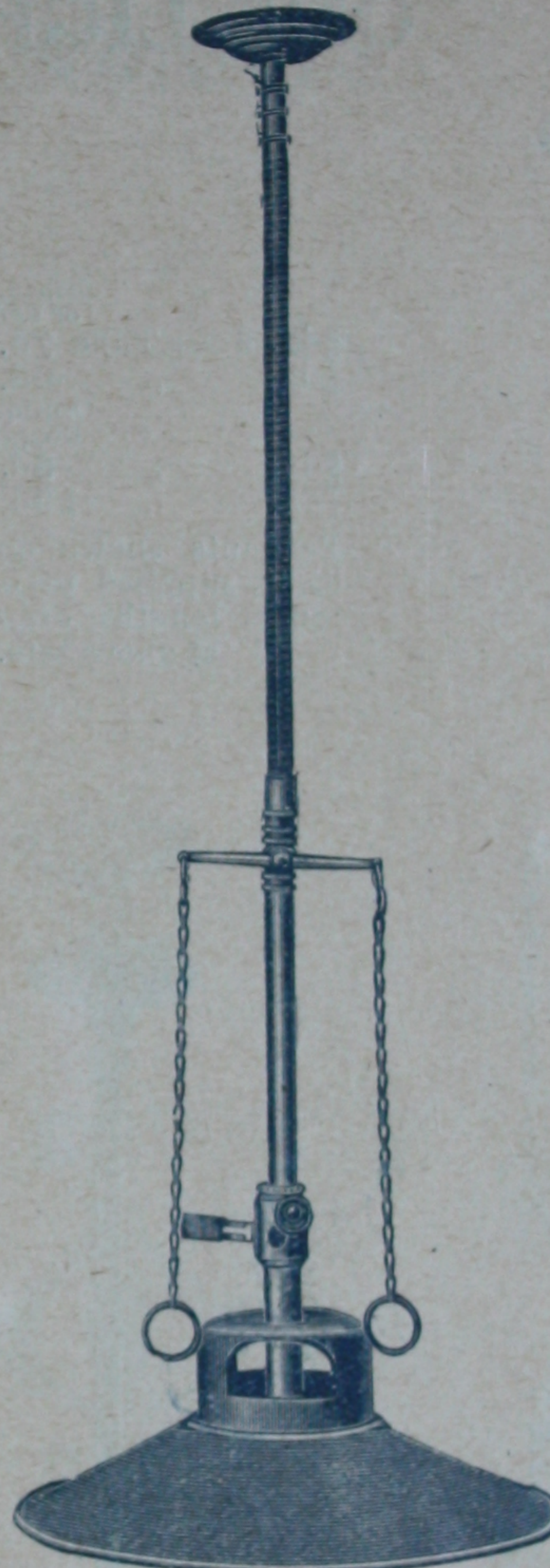
ONE-LIGHT INVERTED PENDANTS.



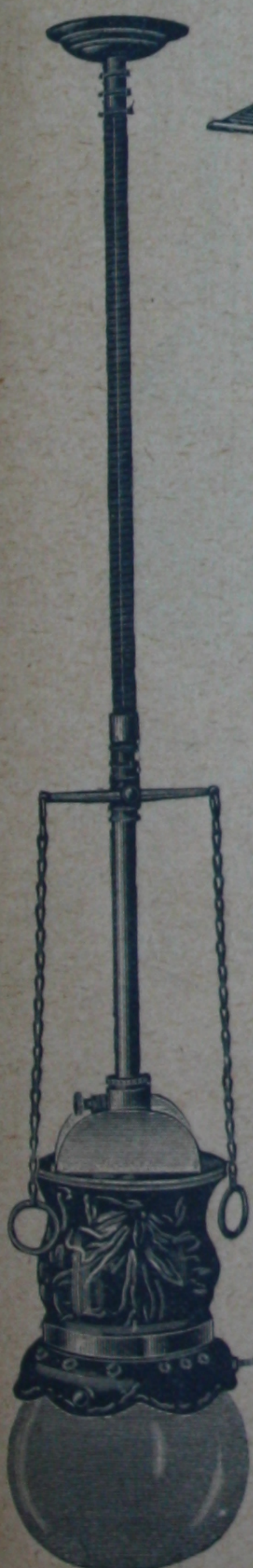
No. W1851.
 $\frac{1}{2}$ -in. **Flexible Tube Pendant**,
 for mill lighting,
 24 in. long, complete with
 No. 493 Burner.
 33 in. over all.
 5/- each Galvanized.
 5/3 each Brass colour.
 Mantle and Glass
 extra.



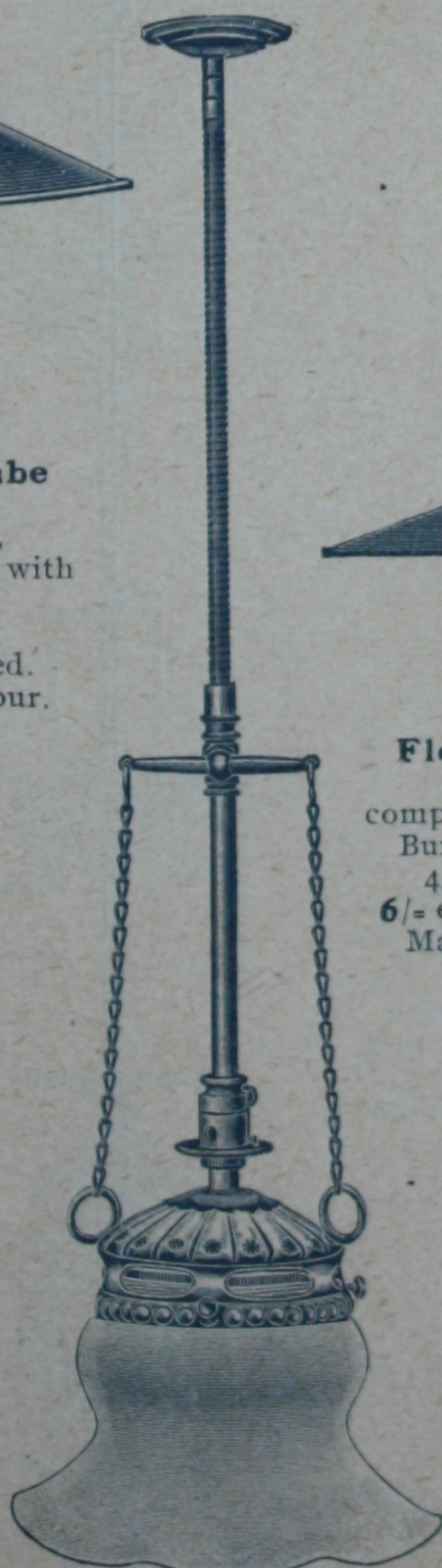
No. W1852.
Flexible Tube Pendant,
 complete with No. 493
 Burner, as shown.
 45 in. over all.
 6/- each Galvanized.
 Mantle and Glass
 extra.



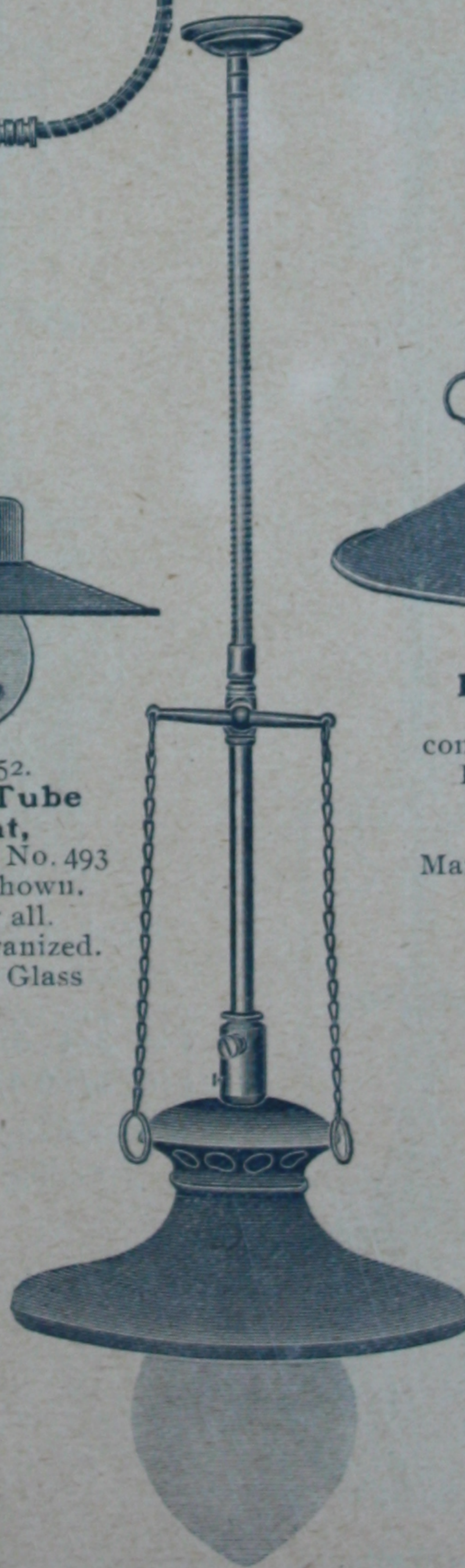
No. W1853.
Flexible Tube Pendant,
 complete with No. 493
 Burner, as shown.
 39 in. over all.
 5/6 each.
 Mantle and Glass extra.



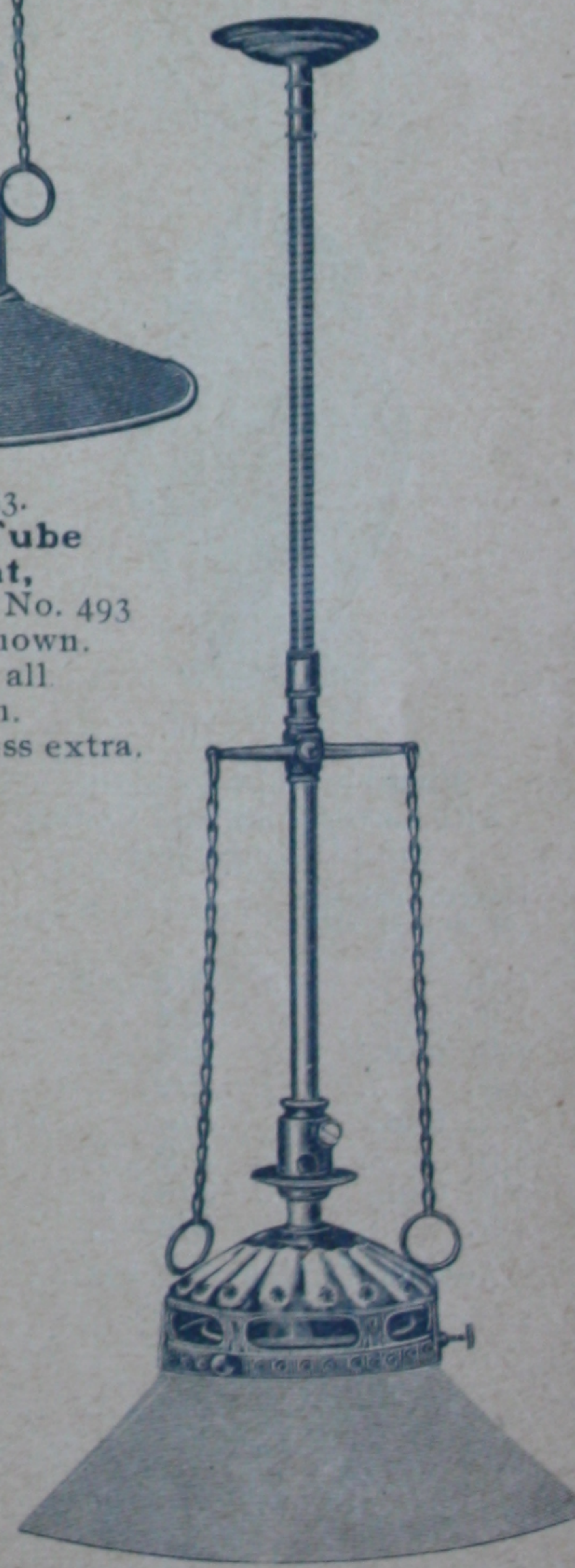
No. W1854.
Flexible Tube Pendant,
 complete with
 No. 5120B china
 Burner, clear
 or opal globe,
 mantle and
 inner chimney,
 as shown.
 3 ft. 6 in.
 over all.
 7/3 each.



No. W1855.
Flexible Tube Pendant,
 complete with No. 5180 china
 Burner, shade, bulb, and mantle,
 as shown.
 3 ft. 6 in. over all. 7/6 each.



No. W1856.
Flexible Tube Pendant,
 complete with No. 5119A enamelled
 Burner, globe, mantle and inner
 chimney, as shown.
 3 ft. 6 in. over all. 7/9 each.

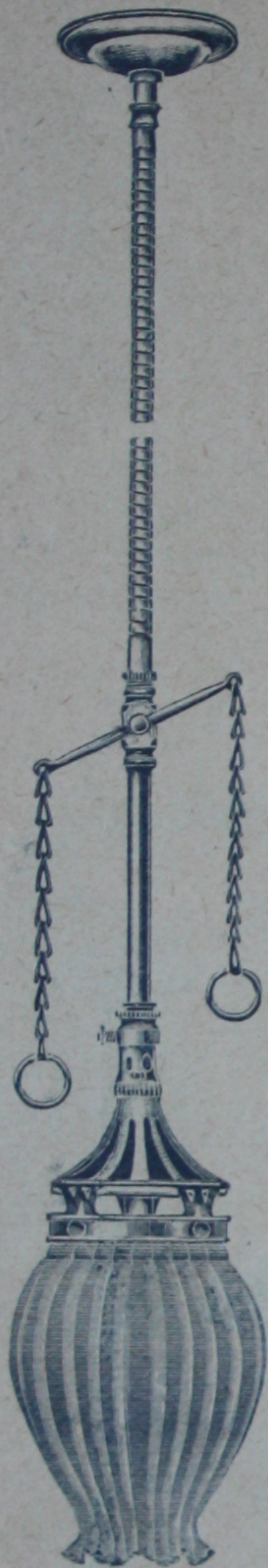


No. W1857.
Flexible Tube Pendant,
 complete with No. 5180 china
 Burner, opal shade, and mantle.
 3 ft. 6 in. over all. 6/9 each.

By-pass with lever and chains for any of the above Burners, 1/6 each extra. For Pendants only see page 82.

WELSBACH LIGHT

ONE-LIGHT INVERTED PENDANTS.



No. W2174.

Flexible Tube Pendant,
with Lever Cock and Chains
and Ceiling Plate.

Length exclusive
of Burner and
Globe.

1-ft.	...	2/2	each.
1-ft. 3-in.	...	2/4	"
1-ft. 6-in.	...	2/6	"
2-ft.	...	2/9	"
2-ft. 6-in.	...	3/-	"
3-ft.	...	3/2	"
3-ft. 6-in.	...	3/4	"
4-ft.	...	3/6	"

Antique Copper 10% extra.

Polished, Steel,
or Red.
3-in. Brass Tube 7d. per ft.
1/2-in. " 9d. "
Antique
Copper.
3-in. " 8d. "
1/2-in. " 10d. "

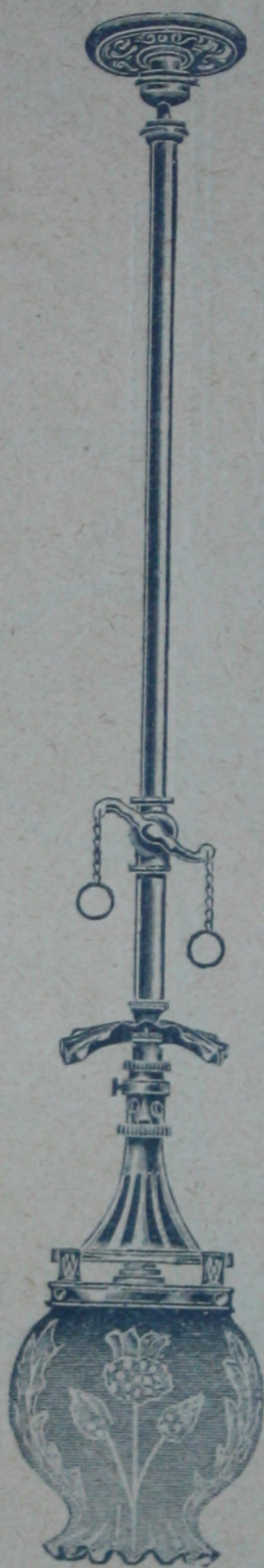
Pendants shewn on pages
82/85, supplied to order in
longer lengths, are charged
at above rate.



No. W2079.

Length 39-in., less Burner
x 3/8-in.

Polished Brass ... 4/6 each.

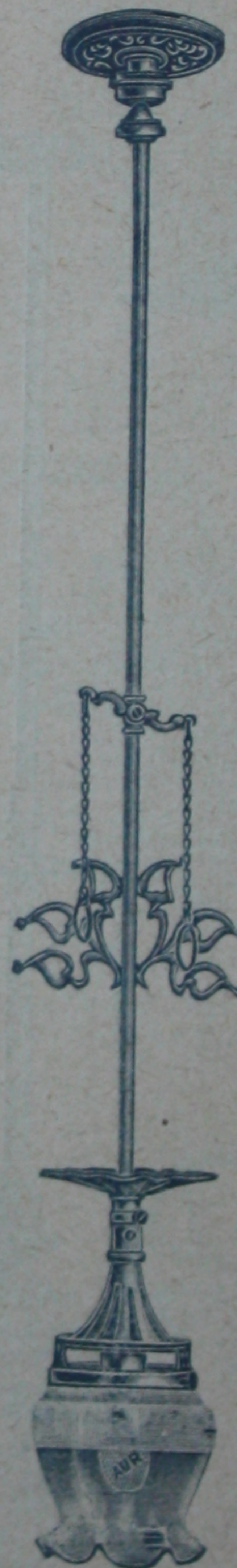


No. W2078.

Polished, Steel, or Red
Bronzed.

	24-in.	30-in.	39-in.
3-in.	3/4	3/6	3/10
1/2-in.	3/10	4/-	4/4

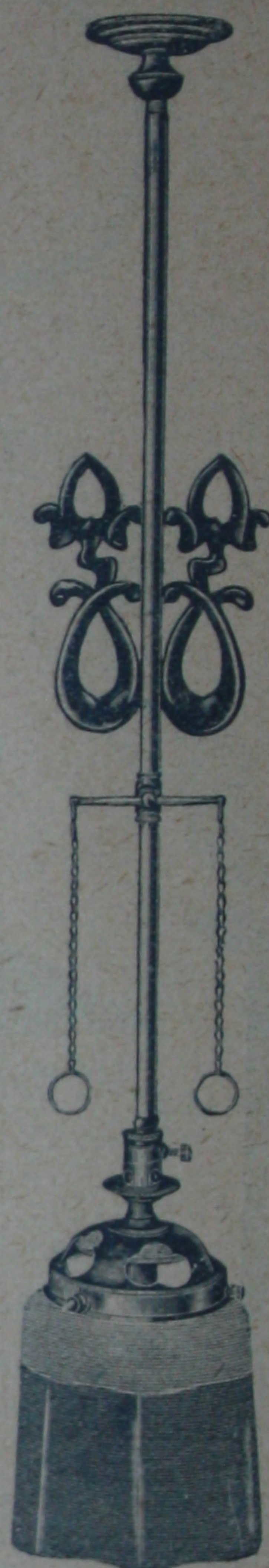
Above are supplied without
Ceiling Plates.



No. W2273.

Length 39-in., less Burner.

	Polished Brass.	Antique Copper.
3-in.	7/3	8/- each.
1/2-in.	7/9	8/6 "



No. W1858.

Length 39-in., less
Burner.

	3-in.	1/2-in.
Polished Brass	6/3	7/- each.
Antique Copper	7/-	7/9 "

BURNERS AND GLOBES EXTRA.

WELSBACH LIGHT

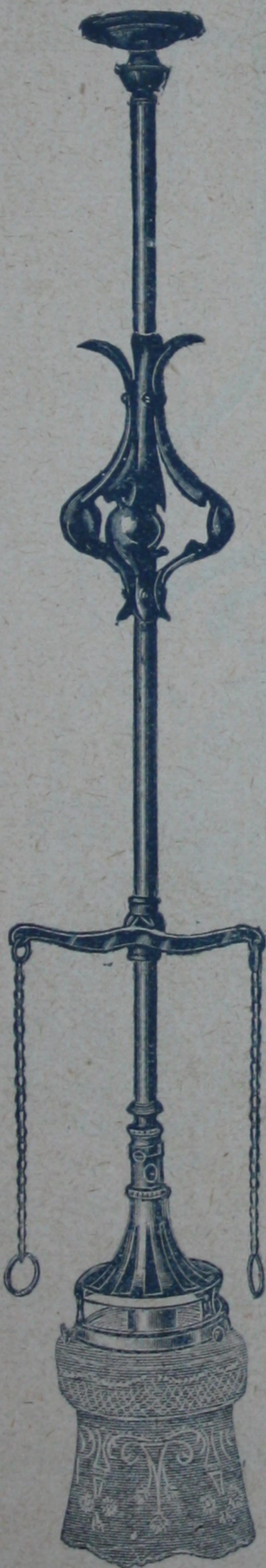
ONE-LIGHT INVERTED PENDANTS.



No. W2275.

Length 39-in., less Burner.

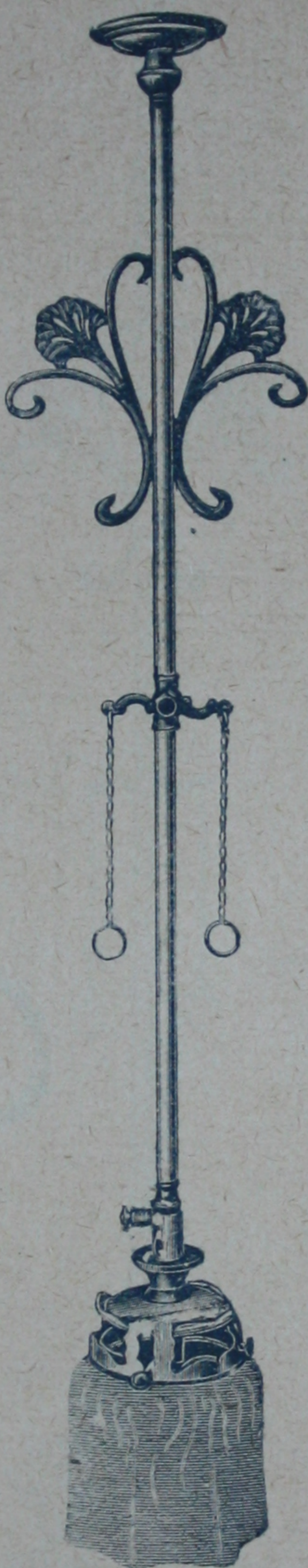
	Polished Brass.	Antique Copper.
$\frac{3}{4}$ -in.	8/-	8/9 each.
$\frac{1}{2}$ -in.	8/9	9/6 "



No. W941.

Length 39-in., Down Rod $\frac{1}{2}$ -in.

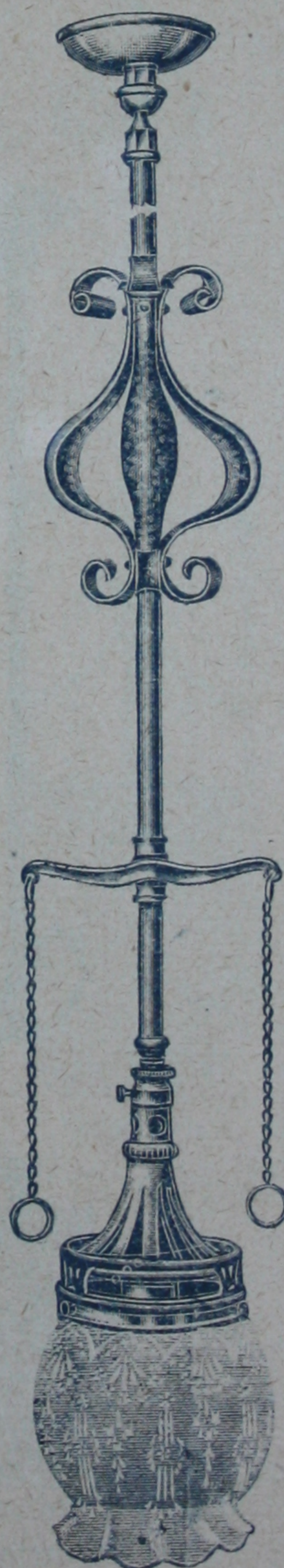
Polished Brass ..	8/- each.
Antique Copper ...	8/9 "



No. W2274.

Length 39-in., less Burner.

	Polished Brass.	Antique Copper.
$\frac{3}{4}$ -in.	8/-	8/9 each.
$\frac{1}{2}$ -in.	8/9	9/6 "



No. W942.

Length 39-in., Down Rod $\frac{1}{2}$ -in.

Polished Brass ...	11/9 each.
Antique Copper ...	13/- "



No. W1859.

Length 42-in., Down Rod $\frac{1}{2}$ -in.

Polished Brass ...	8/6 each
Florentine Bronze }	

BURNERS AND GLOBES EXTRA.

WELSBACH LIGHT

ONE-LIGHT INVERTED PENDANTS.



No. W2022.

Adaptable Harp Pendant, for use
with Inverted or Upright Burners.
Length 3-ft. 6-in. Down Rod $\frac{1}{2}$ -in.
Body $\frac{1}{2}$ -in.

Polished Brass or Steel Bronzed,
fitted with cup and ball 9/6 each.



No. W860.

Length 39-in. Down Rod $\frac{1}{2}$ -in.
Body $\frac{1}{2}$ -in.

Polished Brass ... 11/- each.
Antique Copper ... 12/- "



No. W868.

Length 39-in.
Down Rod $\frac{1}{2}$ -in.
Body $\frac{1}{2}$ -in.
Antique Copper,
16/- each.
For Angle Burners.

BURNERS AND GLOBES EXTRA.

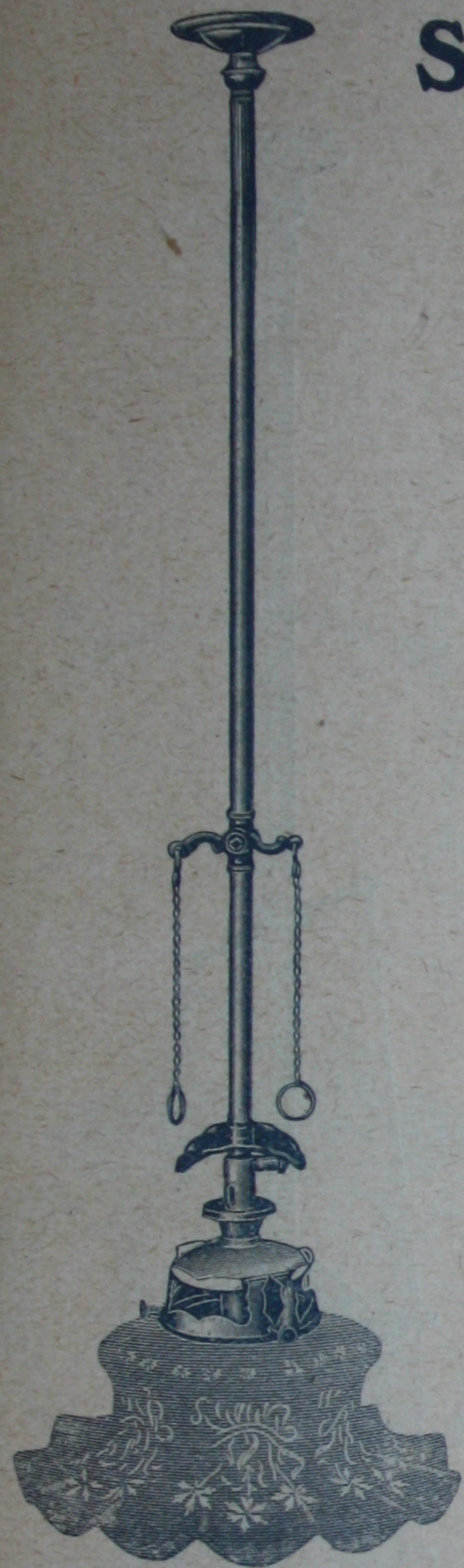


No. W867.

Length 39-in.
Down Rod $\frac{1}{2}$ -in.
Body $\frac{1}{2}$ -in.
Polished Brass,
15/- each.
For Angle Burners.

WELSBACH LIGHT

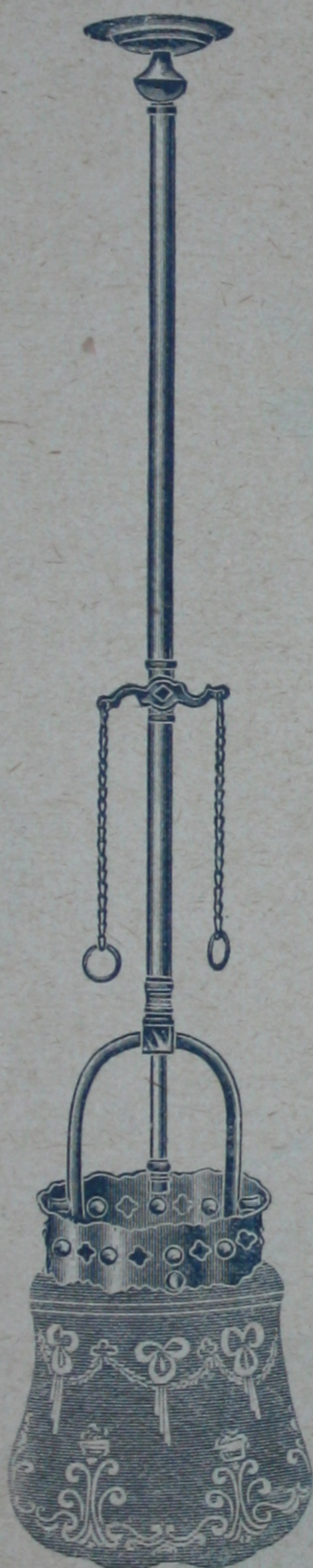
SHADE AND HALL LIGHTS.



No. W1860.

3-ft. 3-in. Pendant. In Polished Steel or Red Bronzed, complete with ruby, reseda, or opalescent shade, less burner.

$\frac{3}{8}$ -in. tube ... $7/3$ each.
 $\frac{1}{2}$ -in. " ... $7/9$ "



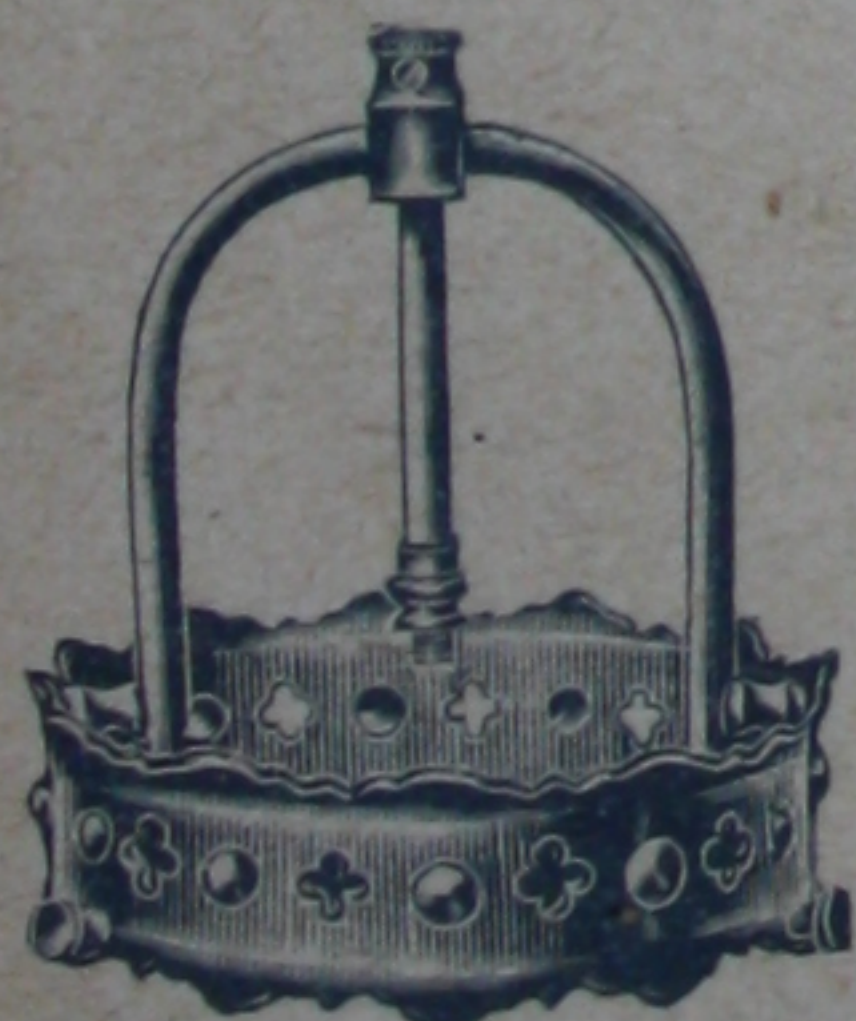
No. W1863.

$\frac{1}{2}$ -in. tube, 5-in. ring, length, 42-in., without globe.

Polished Brass, $11/3$ each
Florentine Bronze, $11/3$ each.

No. W1794.

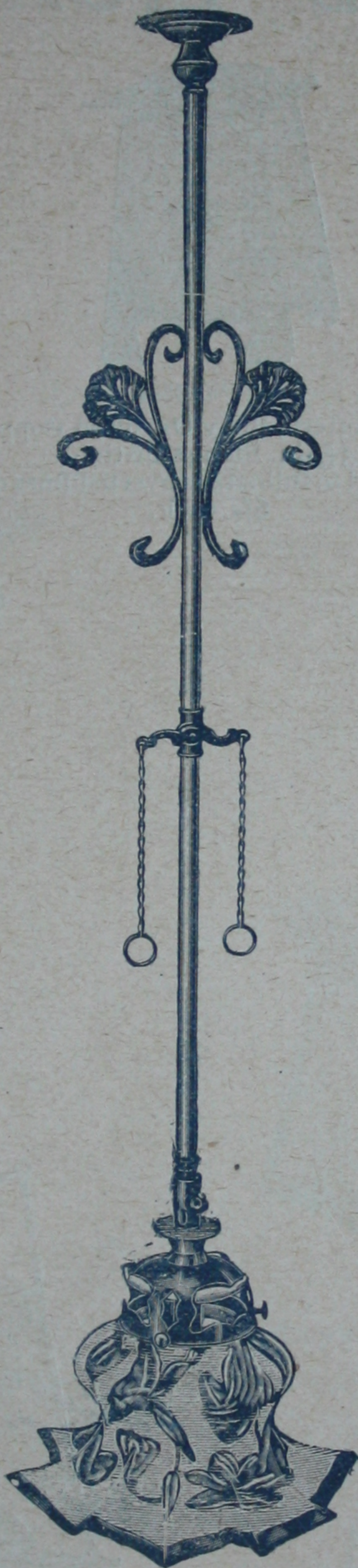
Green Etched Globe, as shown, $4/$ each.



No. W1865.

$6\frac{1}{2}$ -in. long, 5-in. ring, screwed $\frac{3}{8}$ -in. Polished Brass or Florentine Bronze. $7/6$ each.

For adapting to existing down rods to take 5-in. glass.

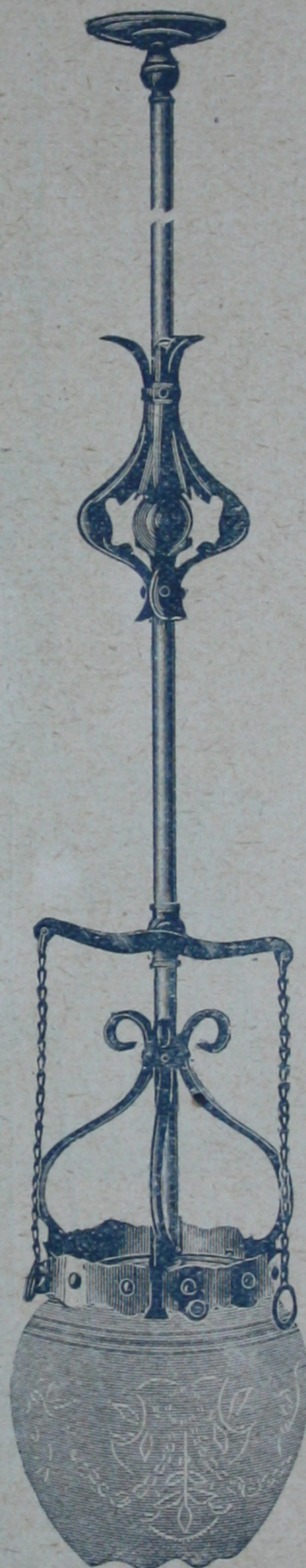


No. W1861.

3-ft. 3-in. Pendant. Complete with ruby, reseda, or opalescent shade, less burner.

	Polished Brass.	Antique Copper.
$\frac{3}{8}$ -in. tube	$11/$	$11/9$ each
$\frac{1}{2}$ -in. "	$11/9$	$12/6$ "

No. W490 Burner is most suitable for use with Lamps Nos. W1863-1864.



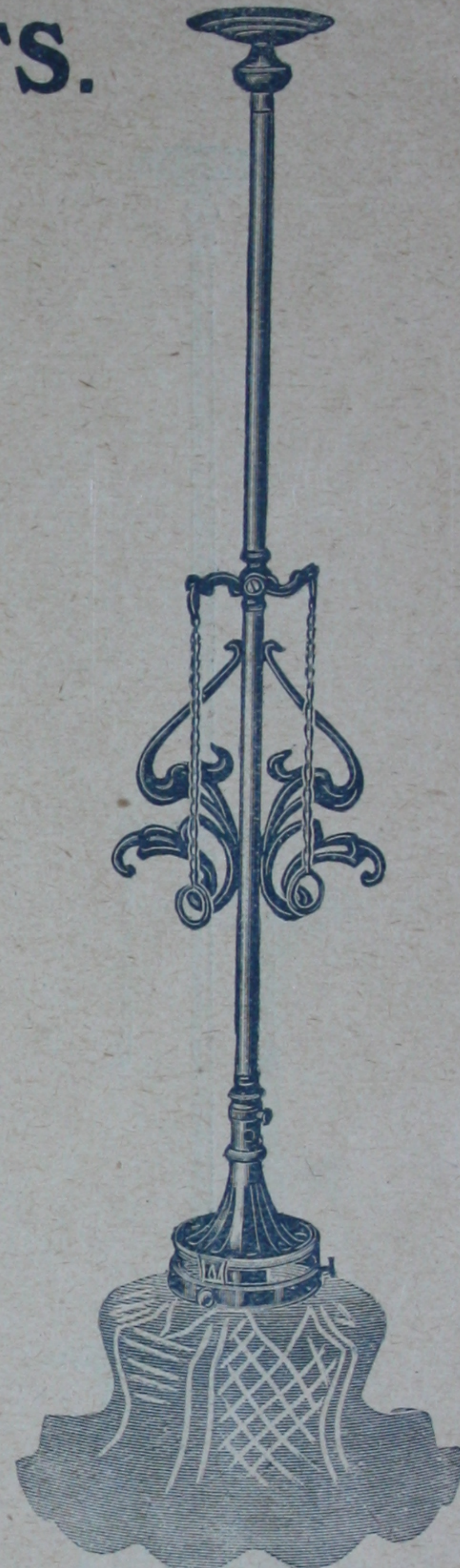
No. W1864.

$\frac{1}{2}$ -in. tube, 5-in. ring, length, 42-in., without globe.

Polished Brass, $14/$ each.
Oxydised Copper, $15/6$ each.

No. W1793.

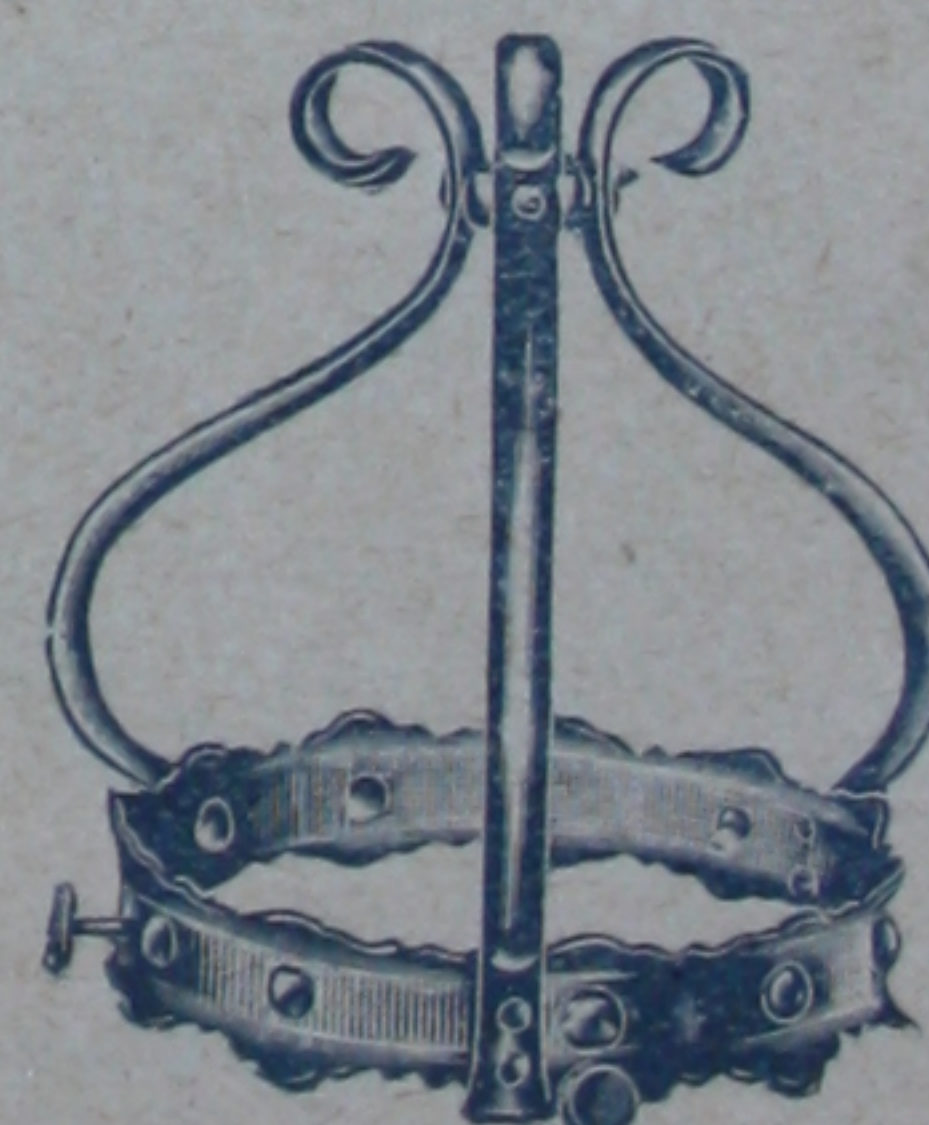
Globe as shown.
Crystal Etched, $3/$ each.
Ruby " $3/6$ "



No. W1862.

3-ft. 3-in. Pendant. Complete with ruby, reseda, or opalescent shade, less burner.

	Polished Brass.	Antique Copper.
$\frac{3}{8}$ -in. tube	$11/$	$11/9$ each
$\frac{1}{2}$ -in. "	$11/9$	$12/6$ "



No. W1866.

$6\frac{1}{2}$ -in. long, 5-in. ring, collar for $\frac{1}{2}$ -in. brass.

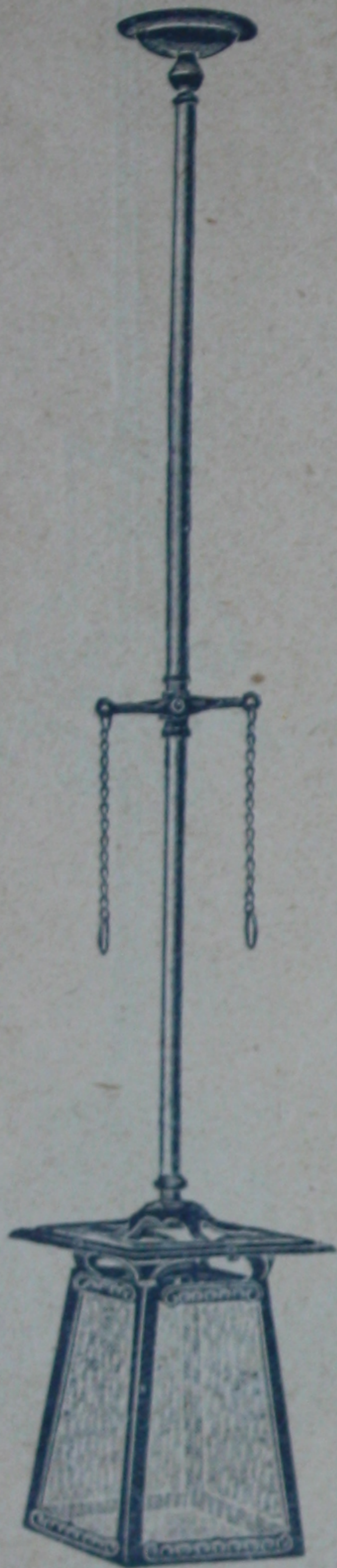
Polished Brass ... $6/$ each.
Oxydised Copper $6/9$ "

For adapting to existing down rods to take 5-in. glass.

BURNERS EXTRA.

WELSBACH LIGHT

HALL LIGHTS.



No. W1867.

Down Rod $\frac{1}{2}$ -in. Length 48-in.
5-in. Square.

Oxydised Copper, with clear
muffled glass.

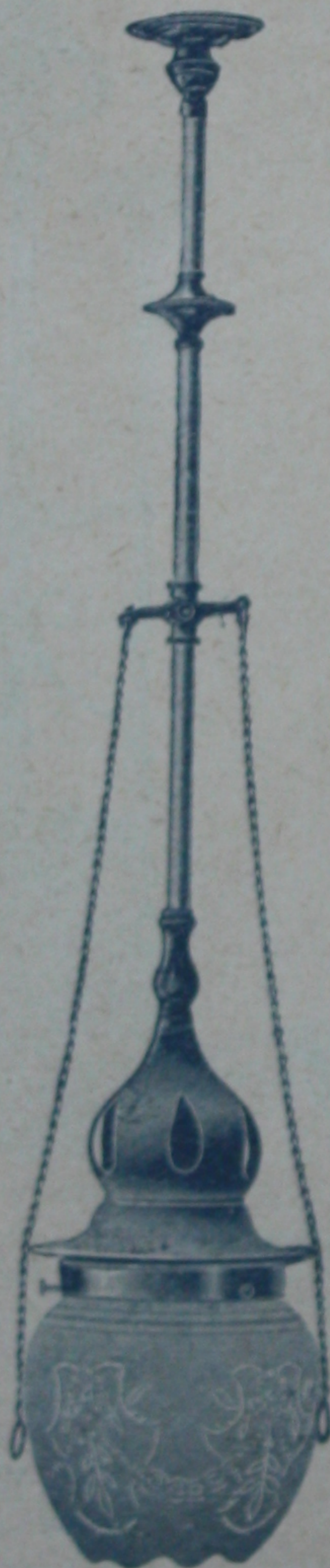
19/6 each.

Takes Bijou-sized Burner.



No. W1959.

5-in. Lantern, Body Oxydised Copper.
 $3\frac{1}{8}$ -in. Flange Fitting.
Adapted to full-sized Inverted Burners,
6/- each.

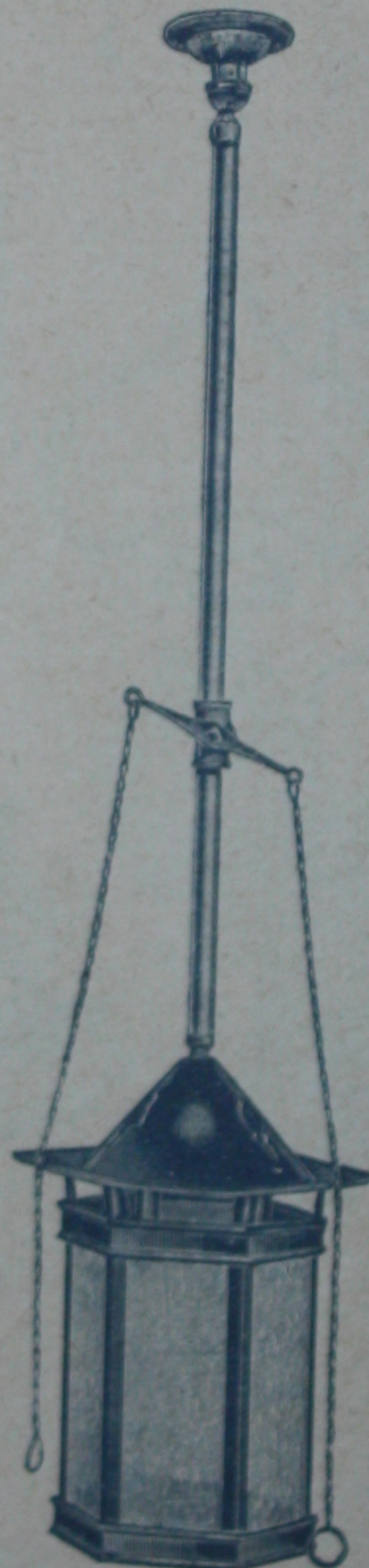


No. W1869.

Down Rod $\frac{1}{2}$ -in. Length with
Globe 48-in. 5-in. Ring.

Complete with W1793 Crystal
Etched Globe, as shown.

Oxydised Copper ... 19/- each.

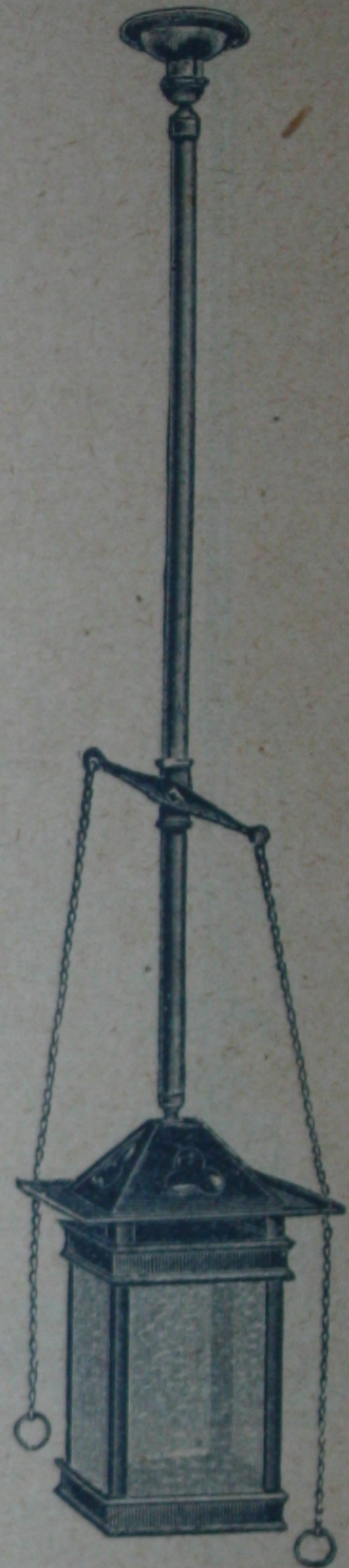


No. W1946.

Down Rod $\frac{1}{2}$ -in. Length 48-in.
Hexagonal.

Oxydised Copper, with Clear
Muffled Glass Panes, $7\frac{1}{2}$ -in. x 3-in.

27/- each.



No. W1868.

Down Rod $\frac{1}{2}$ -in. Length 48-in.
 $6\frac{1}{2}$ -in. Square.

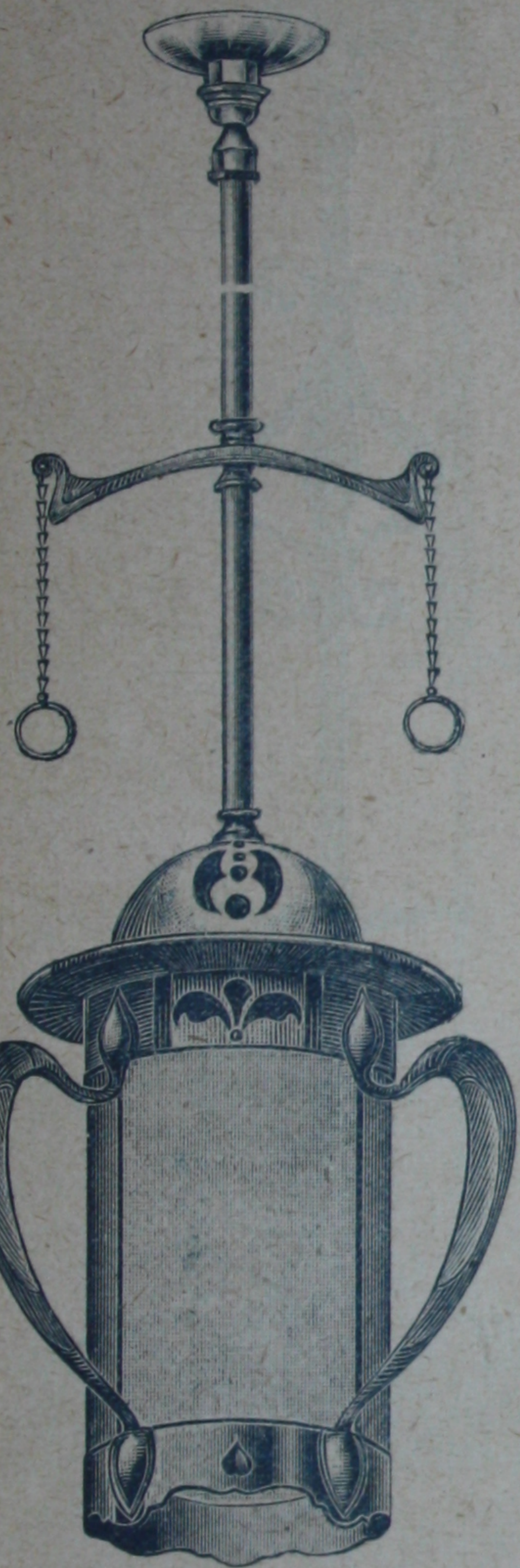
Oxydised Copper, with Clear
Muffled Glass, 6-in. x 4-in.

23/6 each.

BURNERS EXTRA.

WELSBACH LIGHT

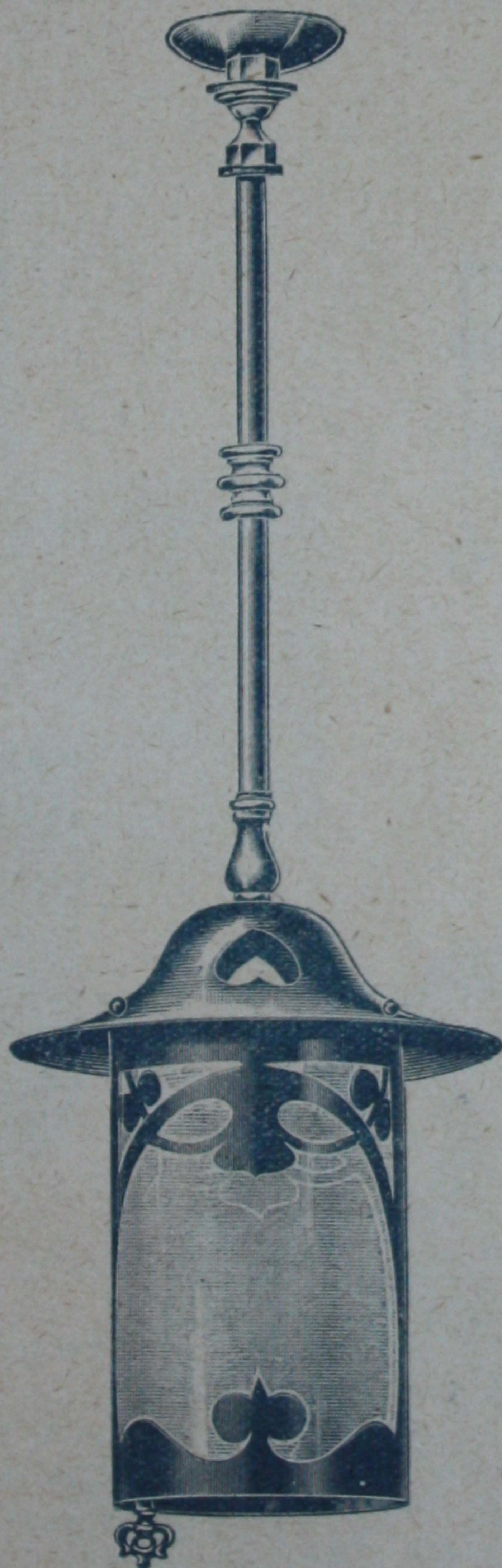
HALL LANTERNS.



No. W1871.

Down Rod $\frac{1}{2}$ -in. Length 48-in.

3-way Scroll, with 9 x 6-in. Opalescent Cylinder, complete as shown.
Oxydised Copper, 43/- each.



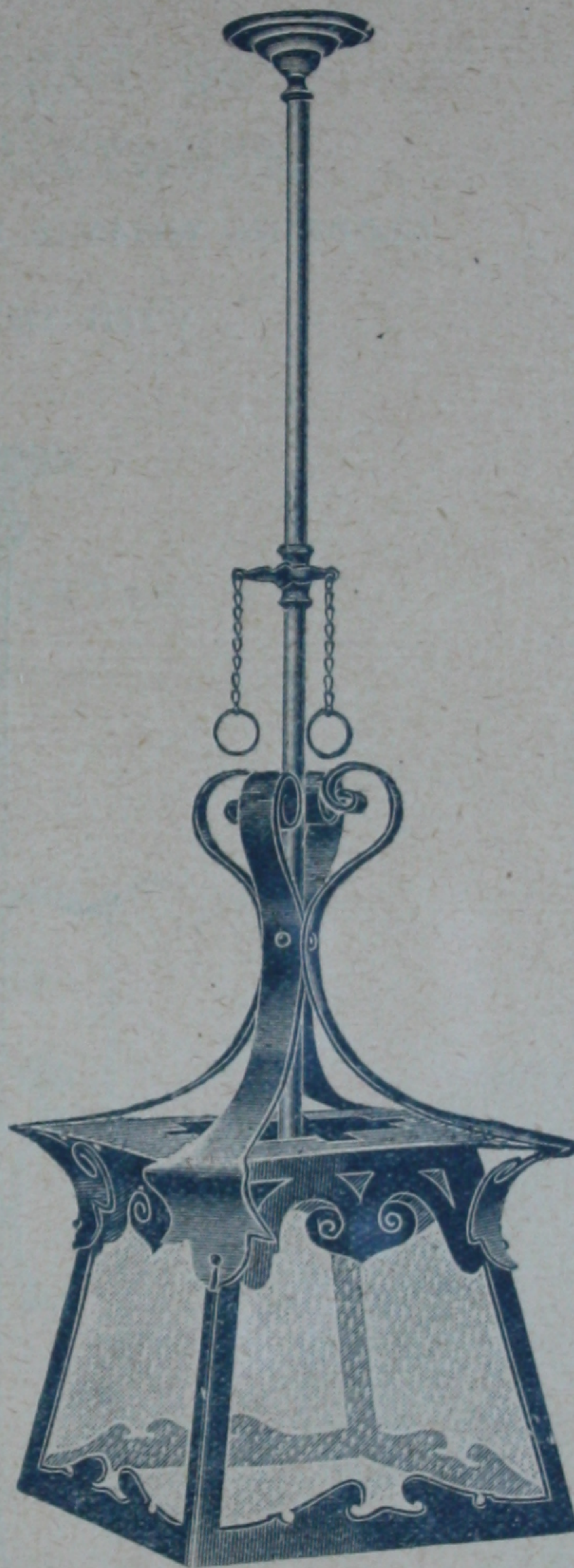
No. W2082.

Length 4-ft. Down Rod $\frac{1}{2}$ -in.

With Opalescent Cylinder 9-in. x 6-in.

Polished Brass ... 55/- each.

Antique Copper ... 57/- "



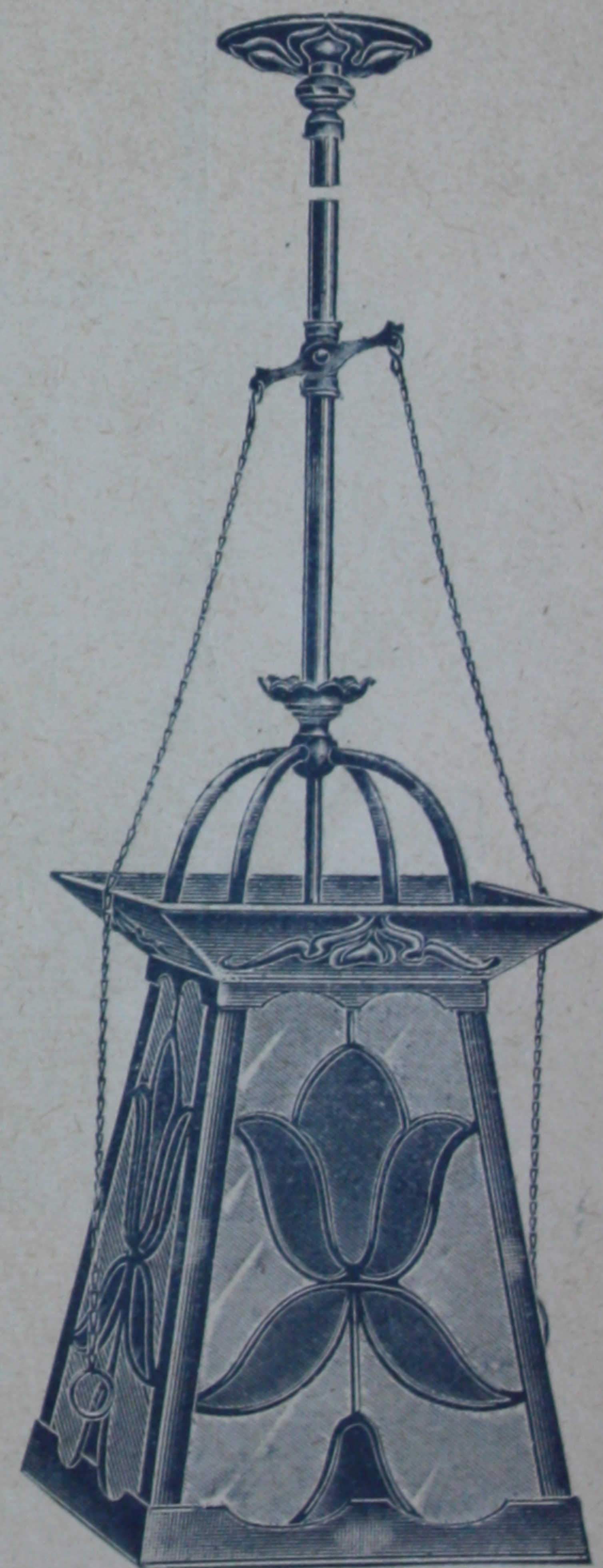
No. W1872.

Down Rod $\frac{1}{2}$ -in. Length 48-in.

Lantern 9-in. Square. 6-in. Deep.

Clear Muffled Glass.

Oxydised Copper, 63/- each.



No. W2121A.

Down Rod $\frac{1}{2}$ -in. Length 42-in.

8 $\frac{1}{2}$ -in. Square, with Leaded Glass.

Polished Brass, 36/- each.

Oxydised Copper, 40/- "

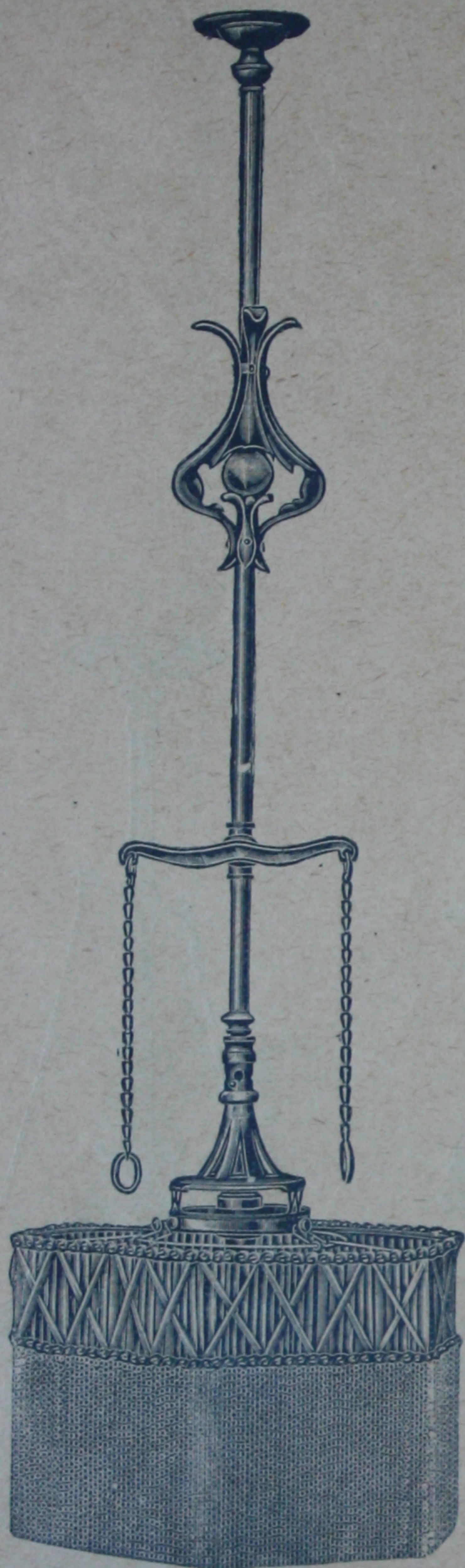
BURNERS EXTRA.

No. 490 Burner is most suitable for use with above Lanterns.

WELSBACH LIGHT

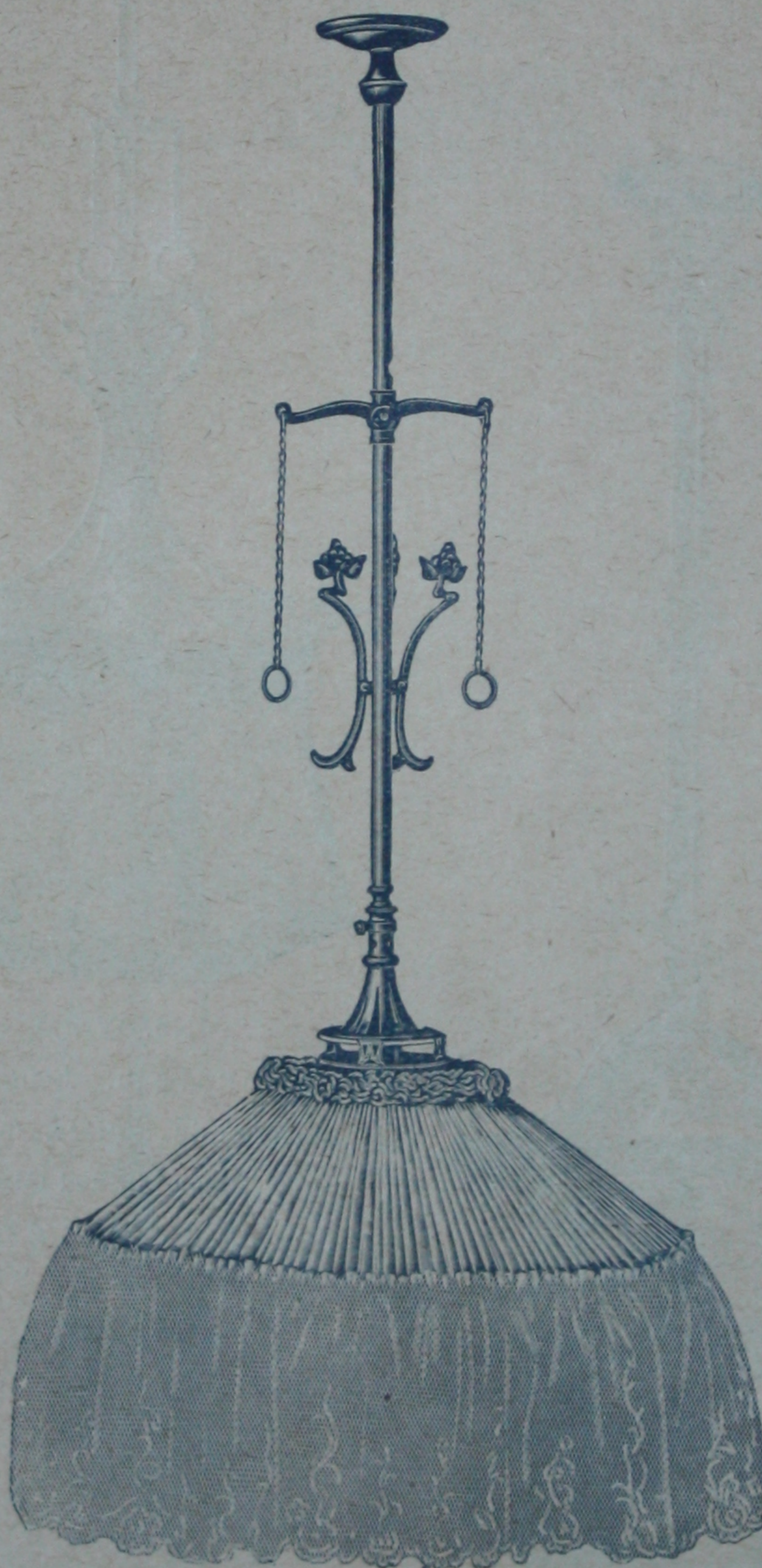
One-Light Inverted Pendants with Bead Fringe or Silk Shades.

GLOBE No. W1745 IS RECOMMENDED FOR USE
WITH THESE SHADES.



No. W941.
Down Rod $\frac{1}{2}$ -in. Length 39-in.
Polished Brass... 8/- each.
Oxydised Copper ... 8/9 "

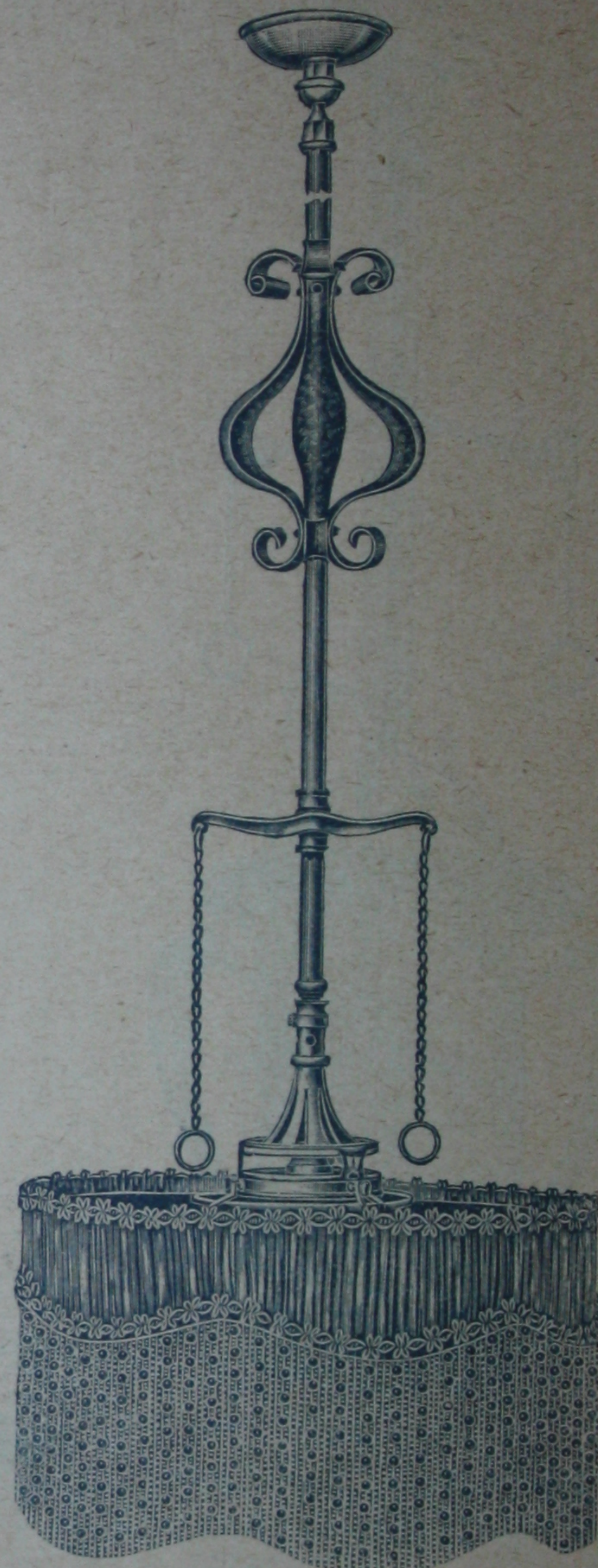
No. W1889.
Florentine Silk Shade with Silver Bead Fringe, Jewelled.
9-in. 10-in. 12-in.
15/6 ... 17/6 ... 21/6 each.



No. W940.
Down Rod $\frac{1}{2}$ -in. Length 48-in.
Polished Brass ... 12/6 each.
Oxydised Copper ... 13/6 "

No. W1890.
18-in. Cotton-Silk Shade, lined White 13/4 "

No. W1891.
18-in. Florentine Shade, lined White ... 19/- "



No. W942.
 $\frac{1}{2}$ -in. Down Rod. Length 39-in.
Polished Brass. Oxydised Copper.
Pendant ... 11/9 13/- each.

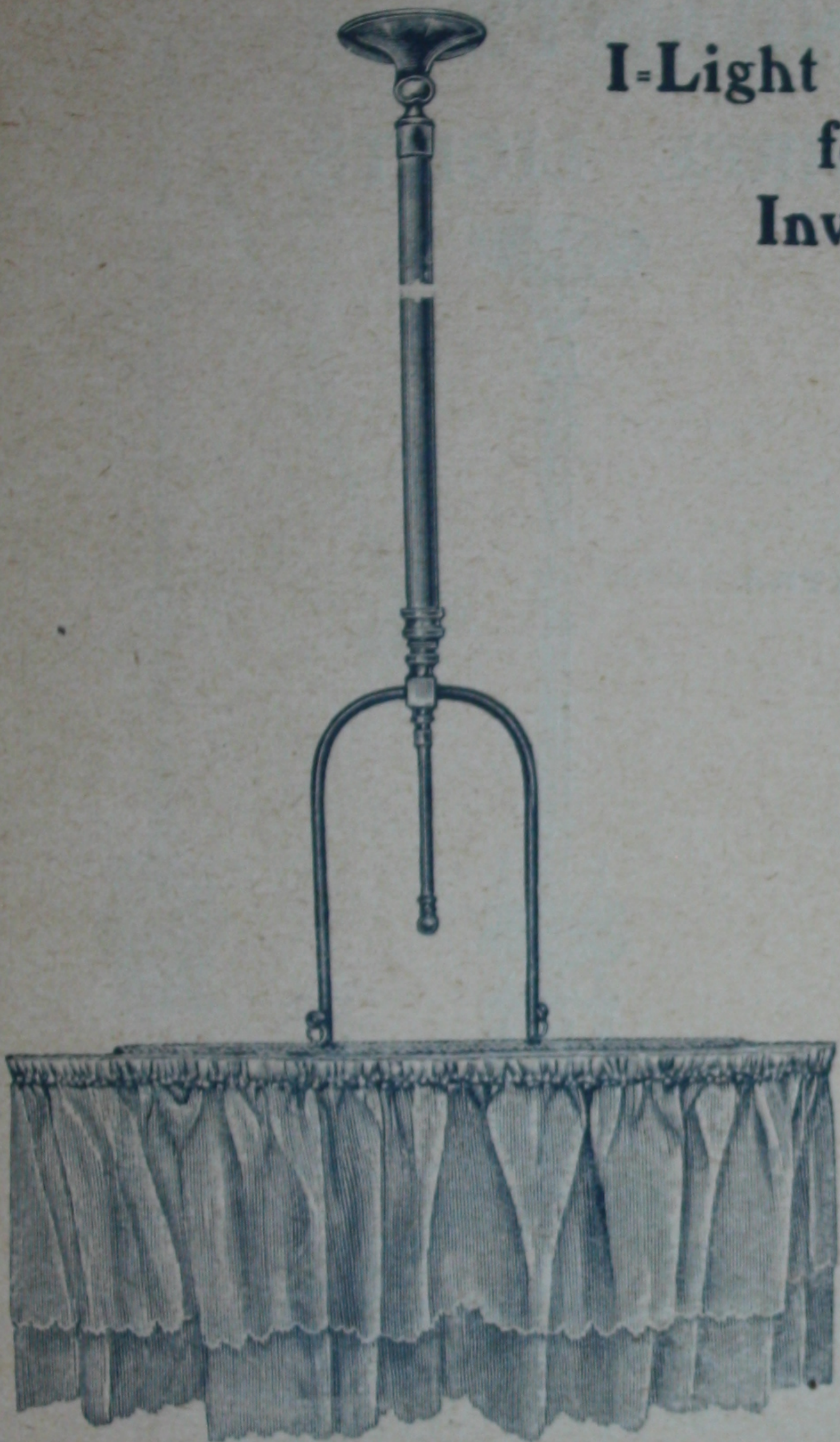
No. W1905.
15-in. Florentine Silk Shade with 5-in. Silver Bead Fringe, Jewelled, and Opal Reflector ... 22/6

For other Patterns and Particulars as to Colours of Silk Shades and Bead Fringes Suitable for use with above Pendants see pages 71 and 72.
BURNERS, MANTLES AND GLASS EXTRA.

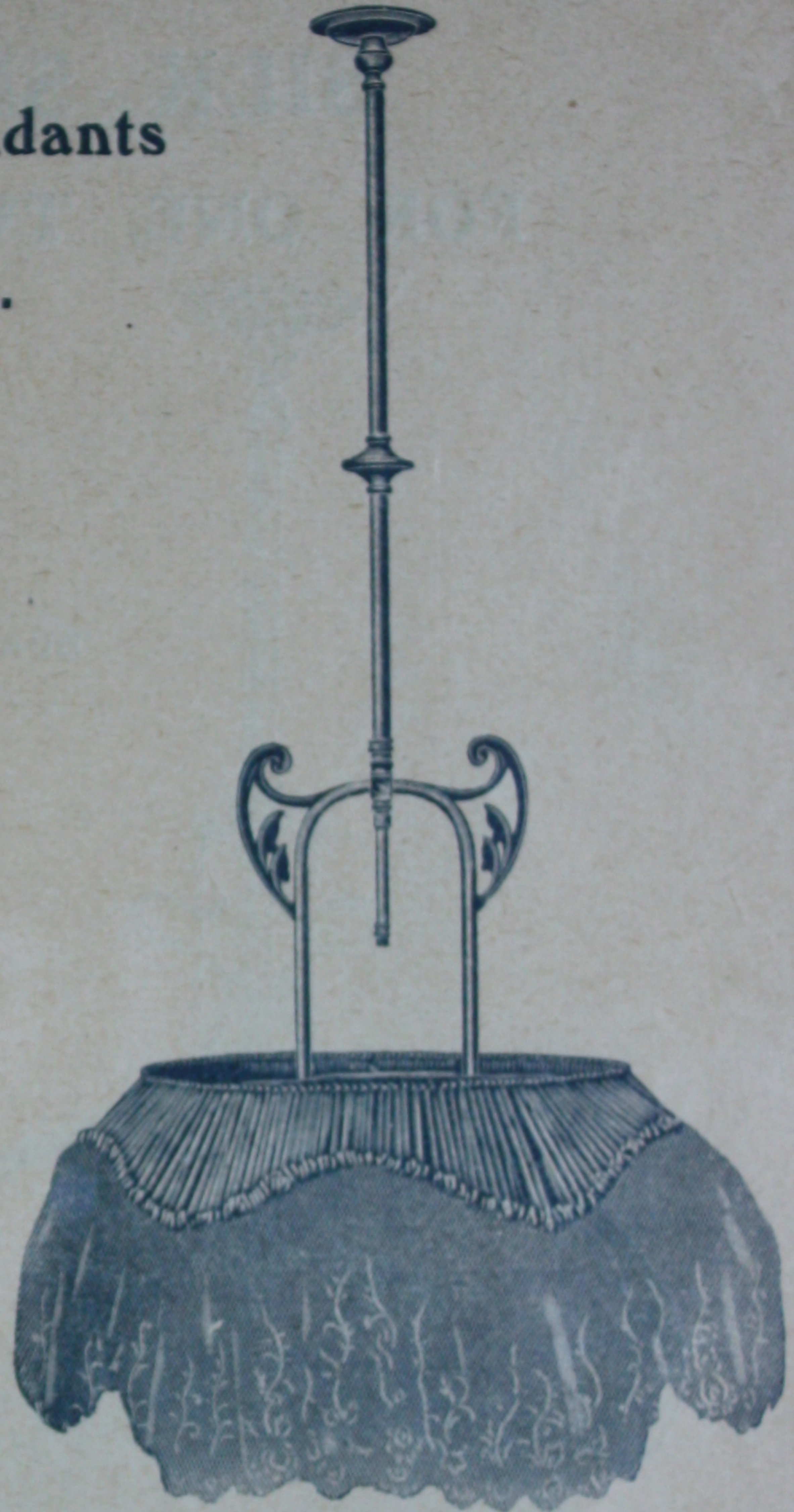
WELSBACH LIGHT

I-Light Reversible Pendants for Upright or Inverted Burners.

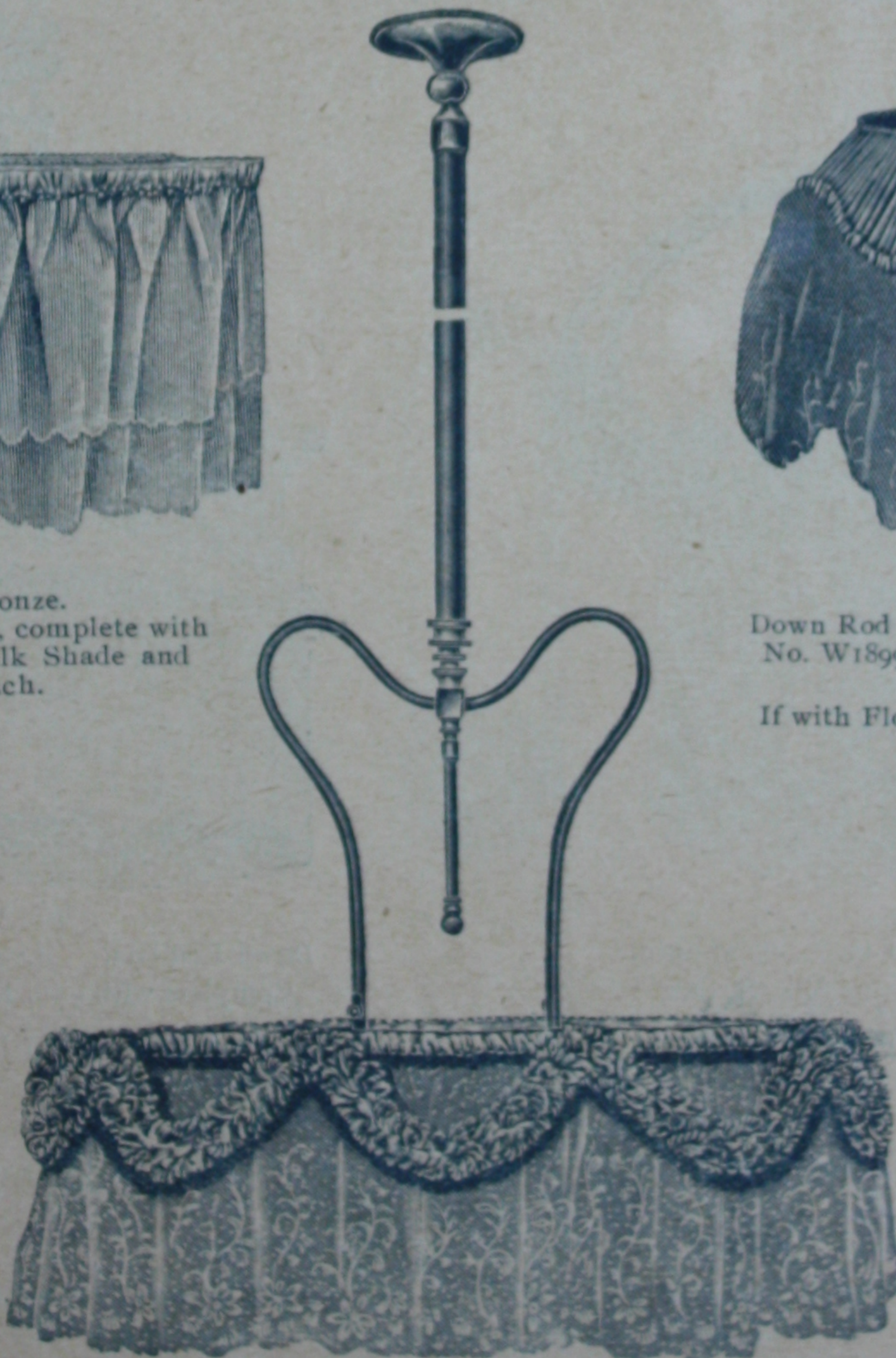
BURNERS EXTRA.



No. W1906.
Polished Brass or Steel Bronze.
Down Rod $\frac{1}{2}$ -in. Length 3-ft. 9-in., complete with
No. W1894. 19-in. Florentine Silk Shade and
Opal Reflector, **25/9** each.



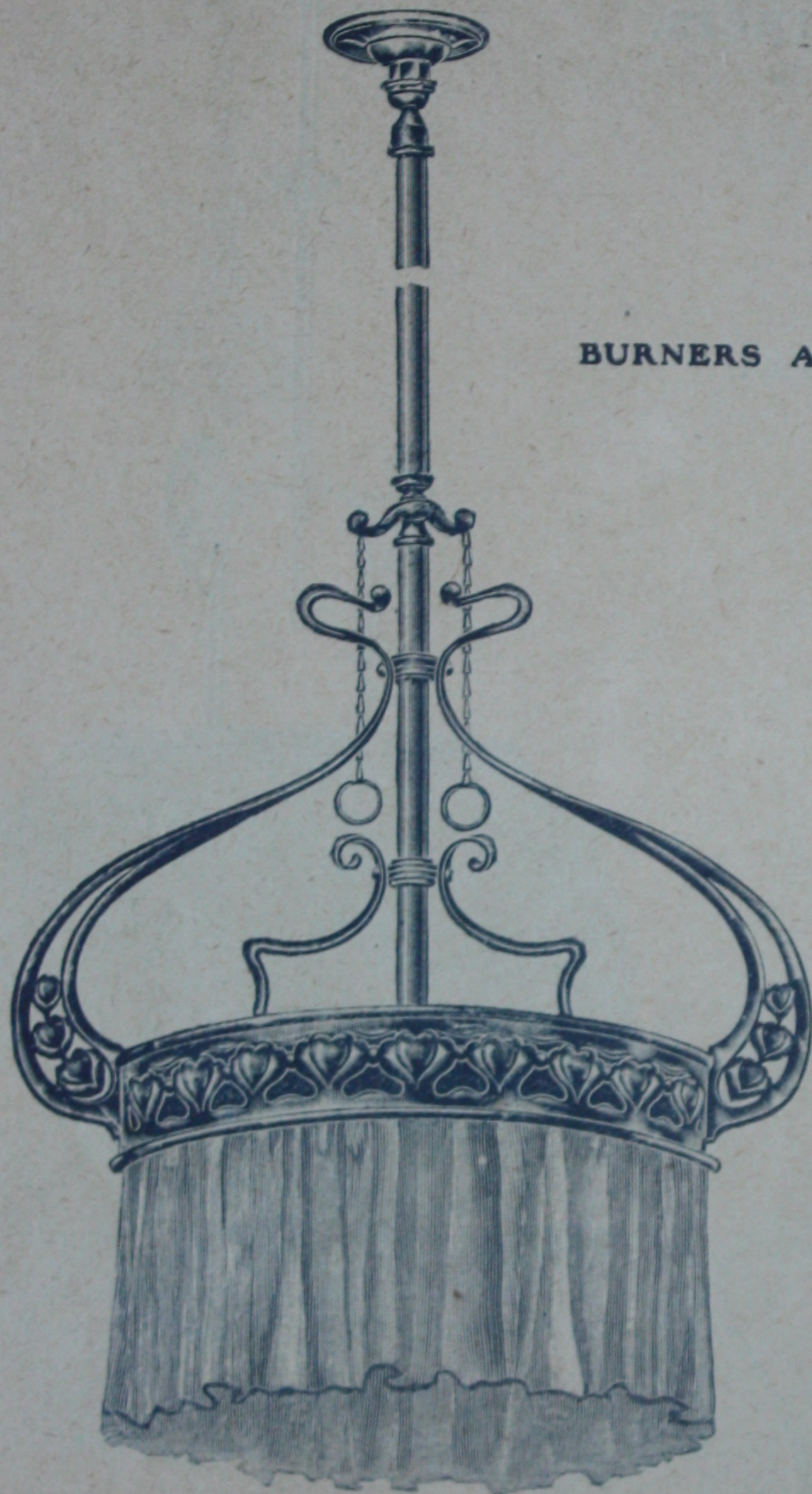
No. W1907.
Polished Brass or Steel Bronze.
Down Rod $\frac{3}{8}$ -in. Length 3-ft. 9-in., complete with
No. W1899. 20-in. Cotton Silk Shade, lined white
and Opal Reflector, **35/3**
If with Florentine Silk Shade as above No. W1900,
4/6 extra.



No. W1908.
Polished Brass or Steel Bronze.
Down Rod, $\frac{3}{8}$ -in. Length 3-ft. 9-in., complete with No. W1892.
14-in. Cotton Silk and Lace Shade and Opal Reflector, **24/9** each.
If with Florentine Silk Shade as above No. W1893, **2/7** extra.

WELSBACH LIGHT

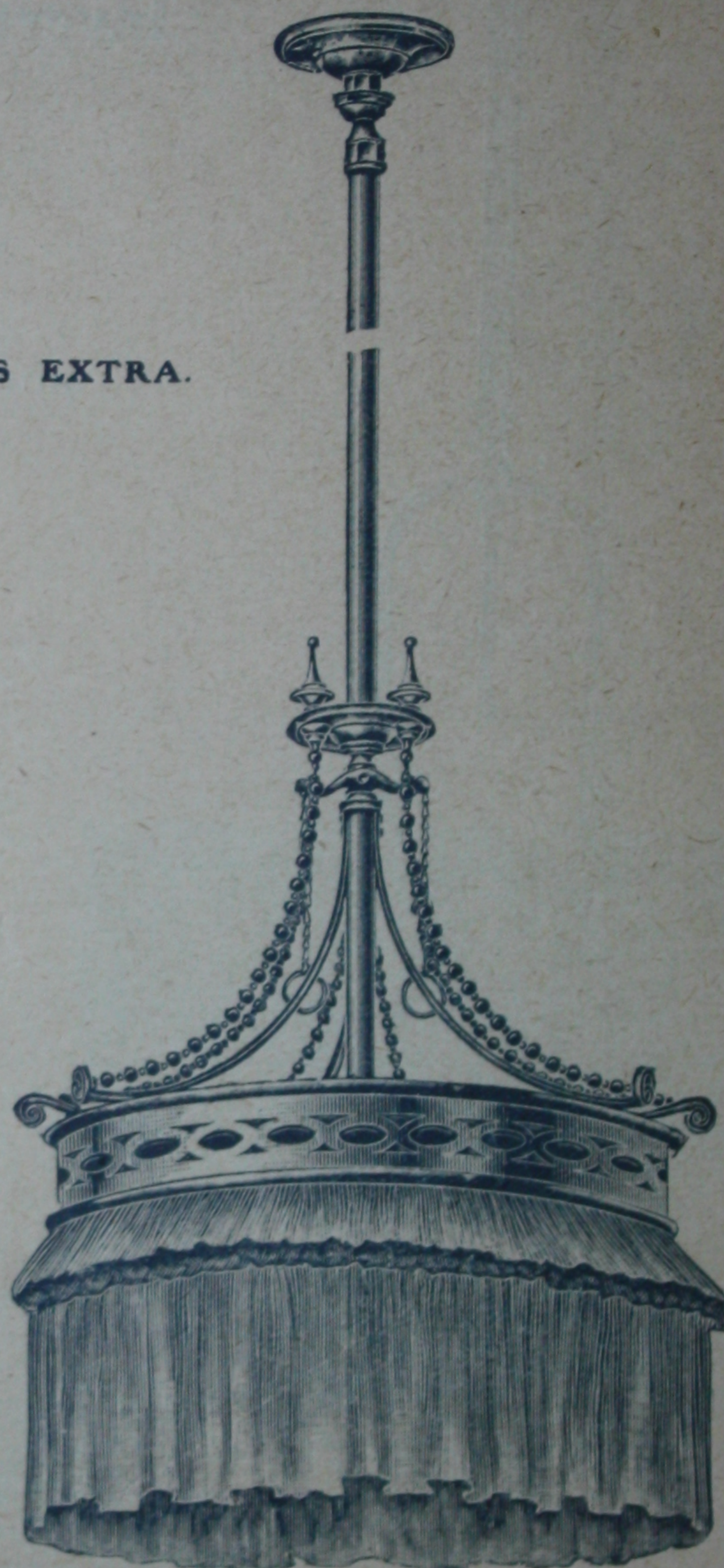
SILK SHADE PENDANTS FOR ONE, TWO AND THREE LIGHTS.



No. W1909.

Down Rod $\frac{1}{2}$ -in. Length 48-in. Band 14-in.
Complete with 9-in. Florentine Silk Curtain.

No. W1909. For 1-Light Inverted Burner.	
Polished Brass ...	34/6 each.
Antique Copper ...	37/6 "
No. W1909A. For 2-Light Inverted Burner.	
Polished Brass ...	40/- "
Antique Copper ...	43/- "
No. W1909B. For 2-Light Upright Burner.	
Polished Brass ...	40/- "
Antique Copper ...	43/- "
No. W1909C. For 3-Light Bijou Inverted Burner.	
Polished Brass ...	45/3 "
Antique Copper ...	48/3 "



No. W1910.

Down Rod $\frac{1}{2}$ -in. Length 48-in. Band 16-in.
Complete with 9-in. Florentine Silk Curtain.

No. W1910. For 1-Light Inverted Burner.	
Polished Brass ...	44/- each.
Antique Copper ...	48/- "
No. W1911. For 2-Light Inverted Burner.	
Polished Brass ...	50/- "
Antique Copper ...	54/- "
No. W1911A. For 2-Light Upright Burner.	
Polished Brass ...	51/- "
Antique Copper ...	55/- "
No. W1911B. For 3-Light Bijou Inverted Burner.	
Polished Brass ...	55/- "
Antique Copper ...	59/- "

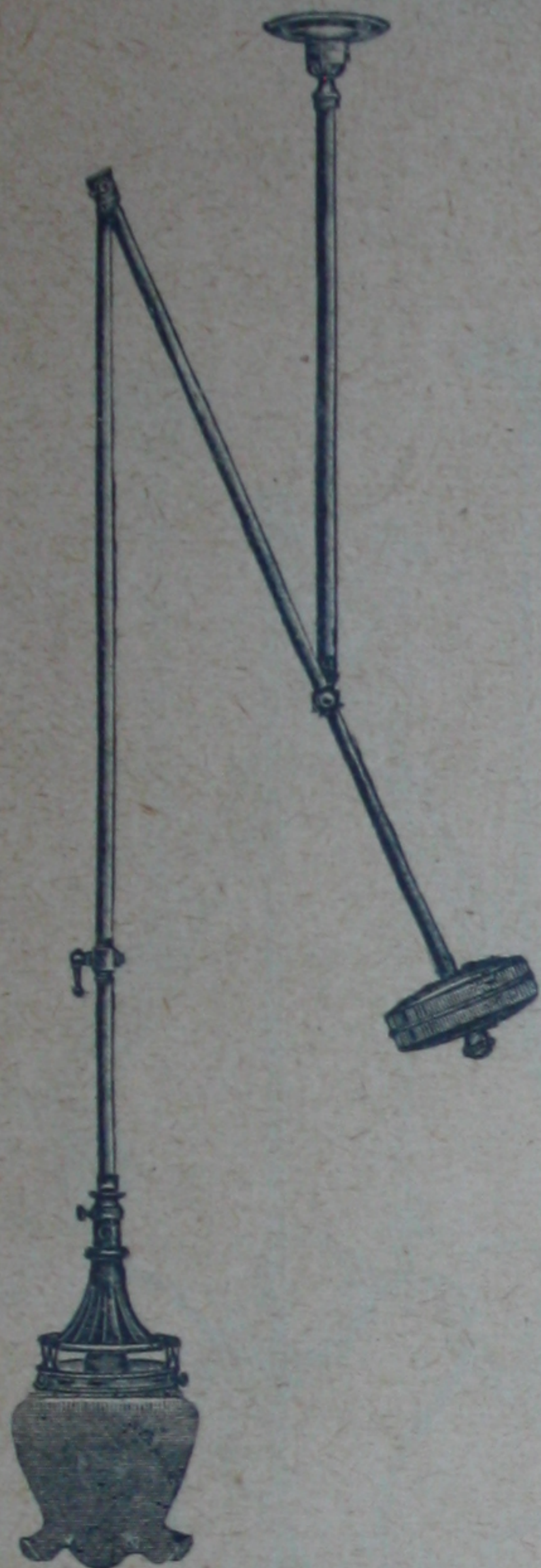
WELSBACH LIGHT

Rise and Fall Pendants.

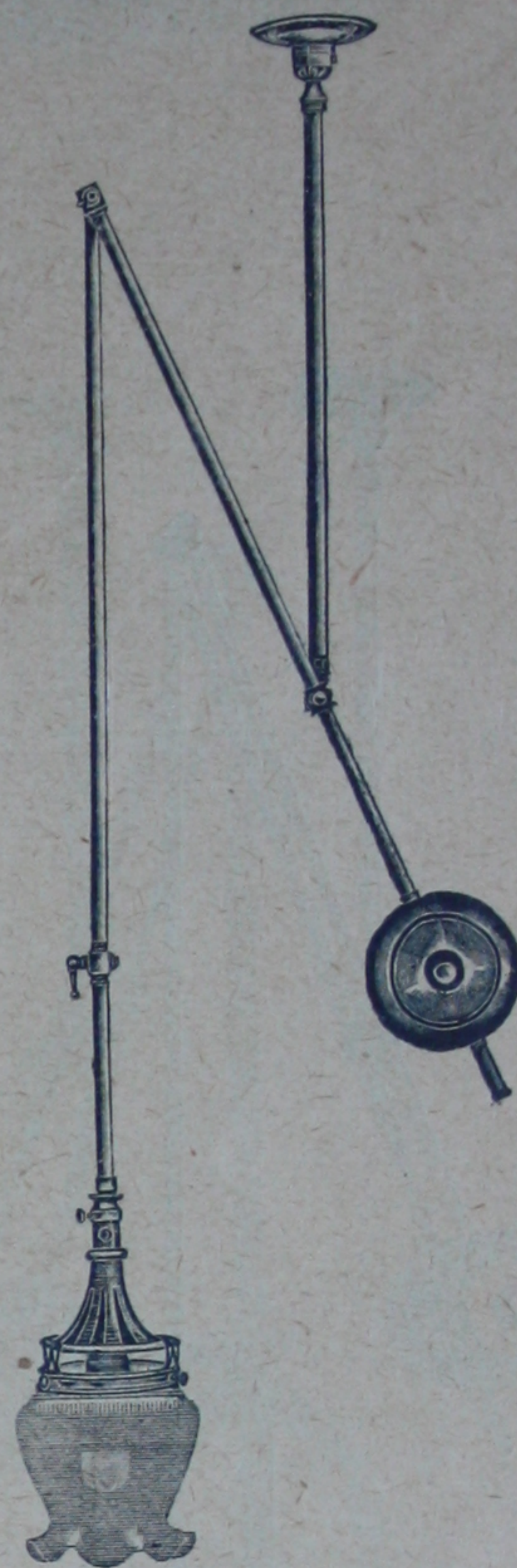
Dimensions.

	No. W2223.	No. W2224.	No. W2225.
Length when pushed up	... 2 ft. 3 in.	2 ft. 8 in.	2 ft. 4 in.
„ with arm at right angles	3 „ 8 „	3 „ 10 „	3 „ 6 „
„ when drawn down	... 4 „ 7 „	5 „ 1 „	4 „ 8 „
Radius of arm	... 1 „ 4 „	1 „ 2 „	1 „ 2 „

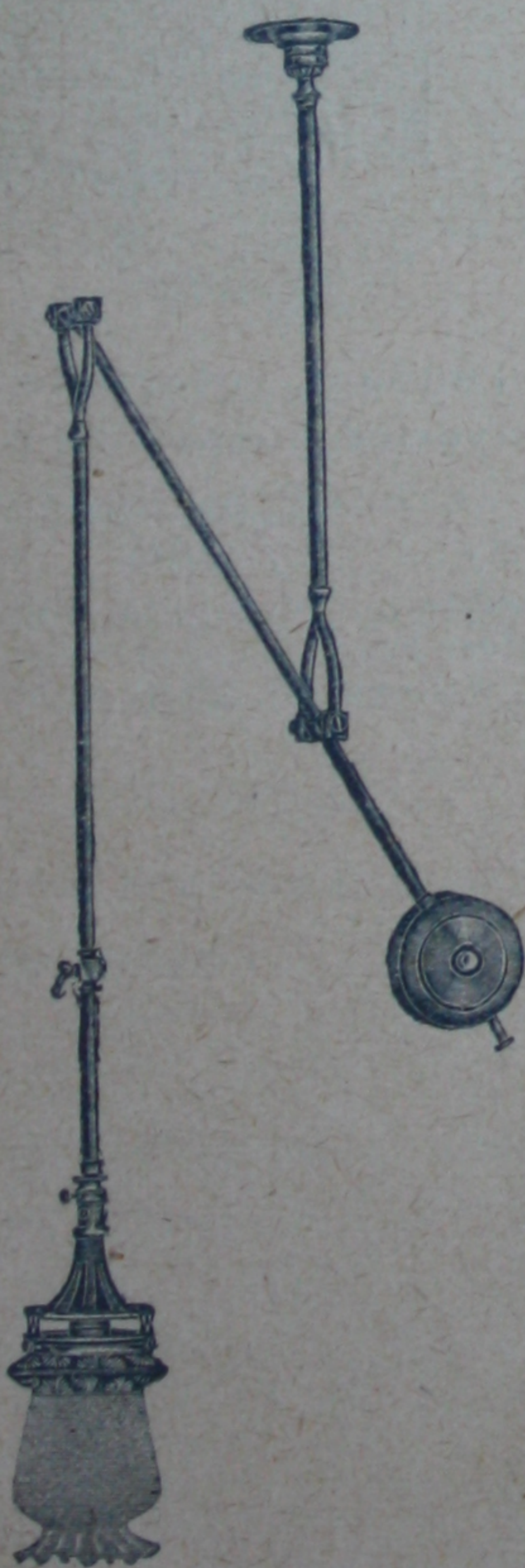
BURNERS AND GLASS EXTRA.



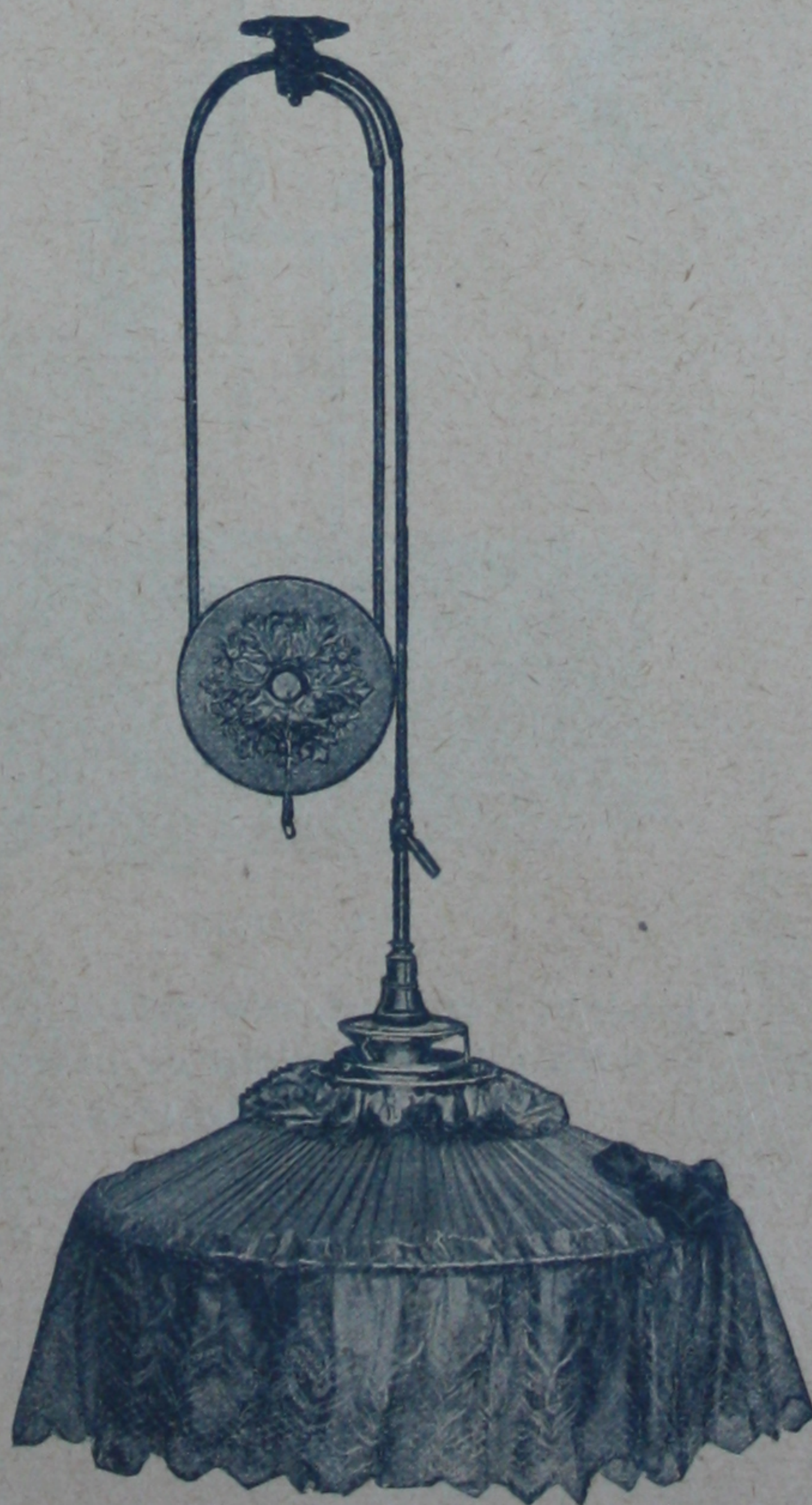
No. W2223.
Steel Bronzed or Polished Brass,
9/- each.



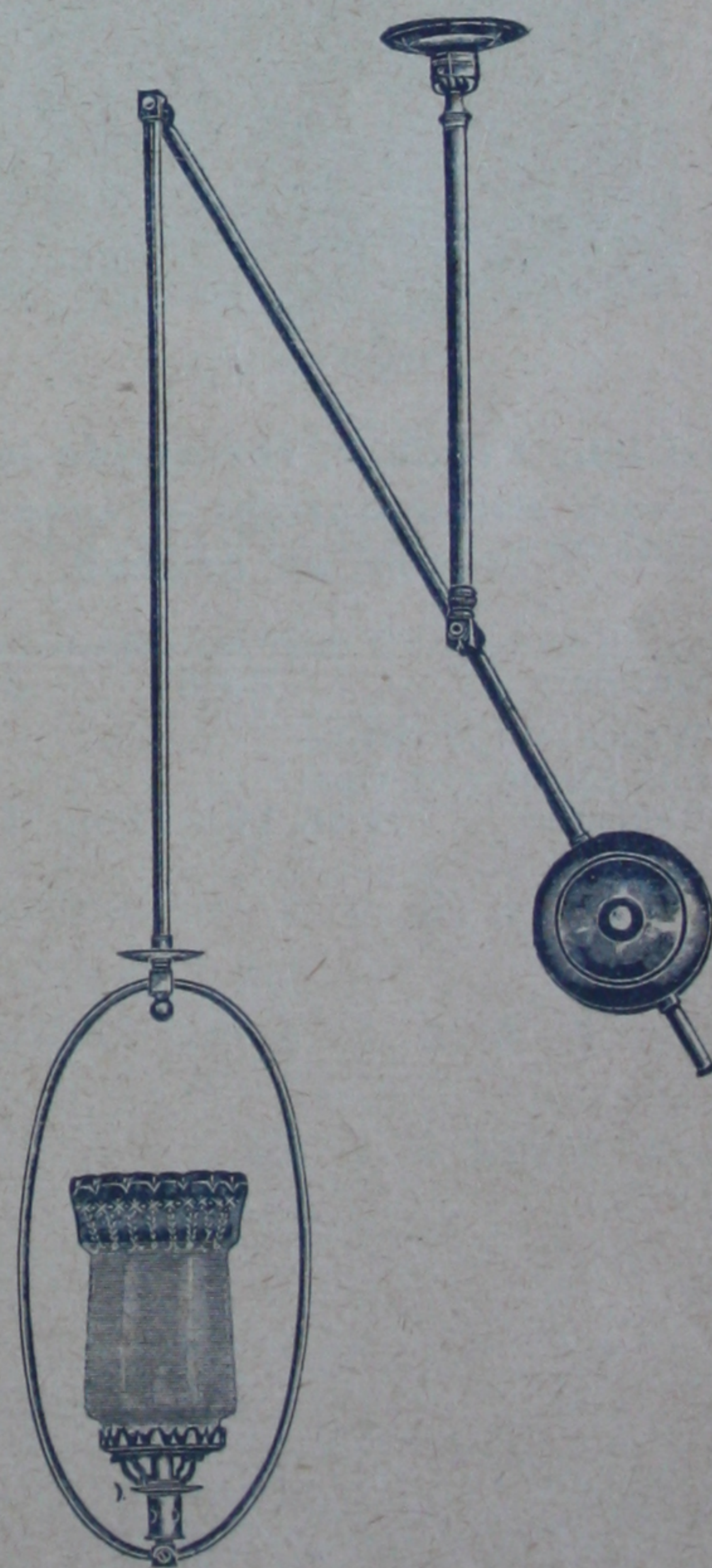
No. W2223A.
Steel Bronzed or Polished
Brass 10/- each.



No. W2225.
Steel Bronzed or Polished Brass ... 15/- each.
If fitted with Balance Weight at right
angle to arm, 14/6 each.



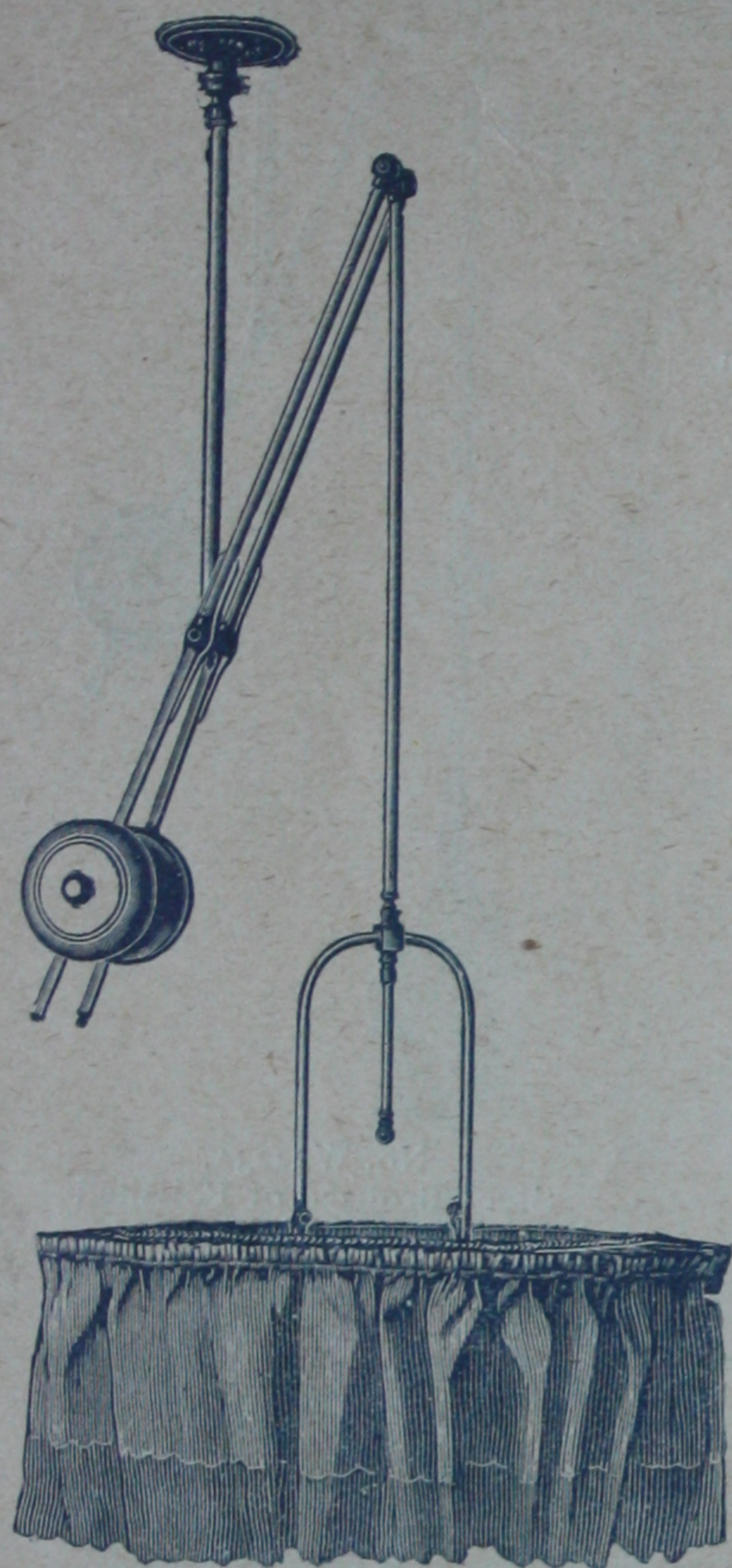
No. W20B.
Rise and fall, Finished Brass, Antique
Copper, or Silver ... 20/6 each.
15-in. Cotton and Lace Shade, No. W50A... 8/- extra.



No. W2224.
This Pendant is reversible, for use with
either Upright or Inverted Burner as
desired.
Steel Bronzed or Polished Brass
12/6 each.
If fitted with Balance Weight at right
angle to arm, 11/- each.

WELSBACH LIGHT

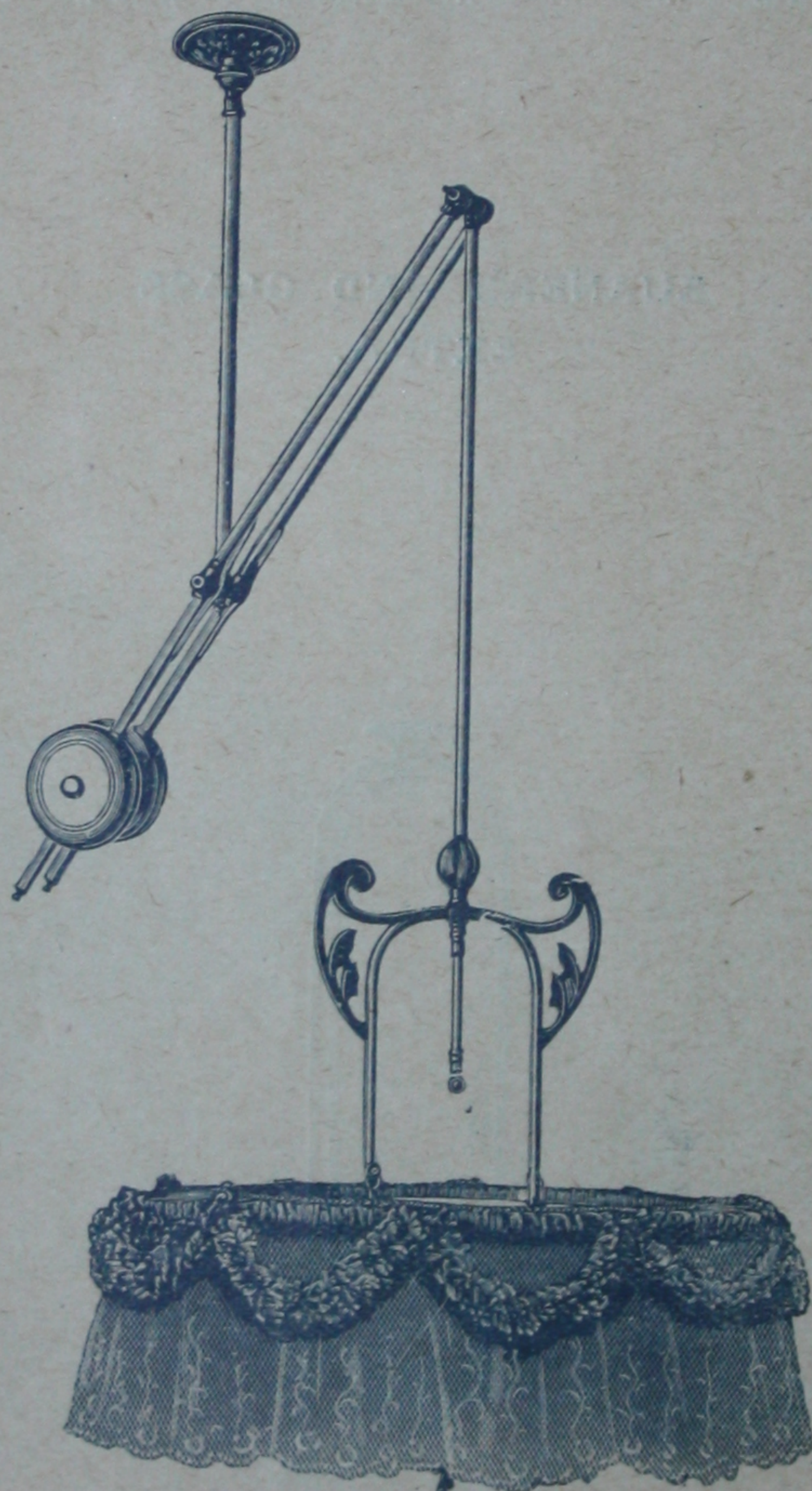
Rise and Fall Pendants.



No. W2276.

1-Light Pendant, reversible for use with either upright or inverted burner, as desired.

Pendant only ... Steel Bronzed. Polished Brass. **28/6** **30/6** each.
No. W1894 — Florentine Silk Shade with Opal Reflector ... 14-in. **10/6** 19-in. **13/10** ,,



No. W1913.

1-Light Pendant, reversible for use with either upright or inverted burner, as desired.

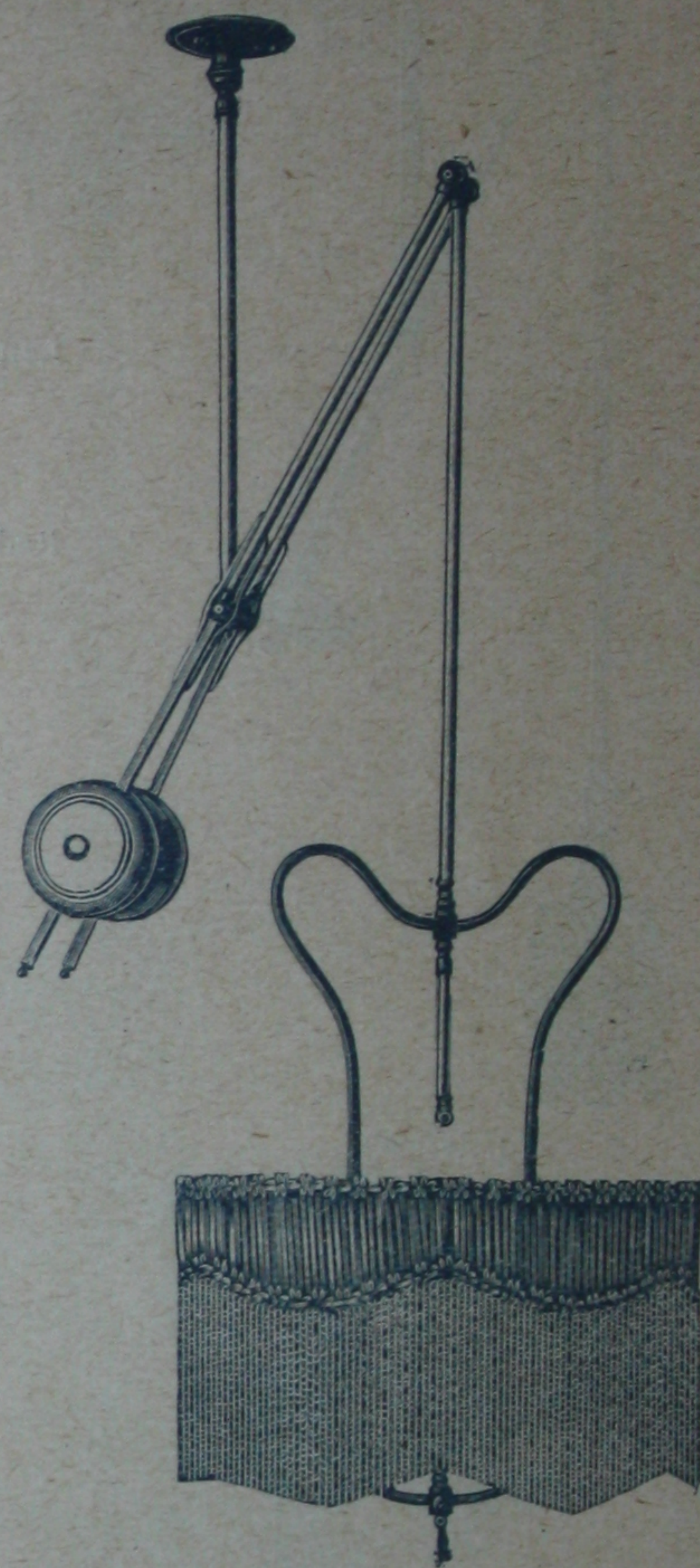
Pendant only ... Steel Bronzed. Polished Brass. **35/6** **37/6** each.
No. W1892 — Cotton Silk and Lace Shade with Opal Reflector, 14-in. **11/3** 19-in. **16/6** ,,
No. W1893 — Florentine Silk and Lace Shade with Opal Reflector, 14-in. **13/10**, 19-in. **21/3** ,,

Extra Length charged **1/4** per foot.

Shades shown on this page are interchangeable.

Dimensions.

Length when pushed up ... 3 ft. 6 in.
,, with arm at right angles... 4 ,, 6 ,,
,, when drawn down ... 5 ,, 10 ,,
Radius of arm ... 1 ,, 2 ,,



No. W1912.

1-Light Pendant, reversible for upright or inverted burner, as desired.

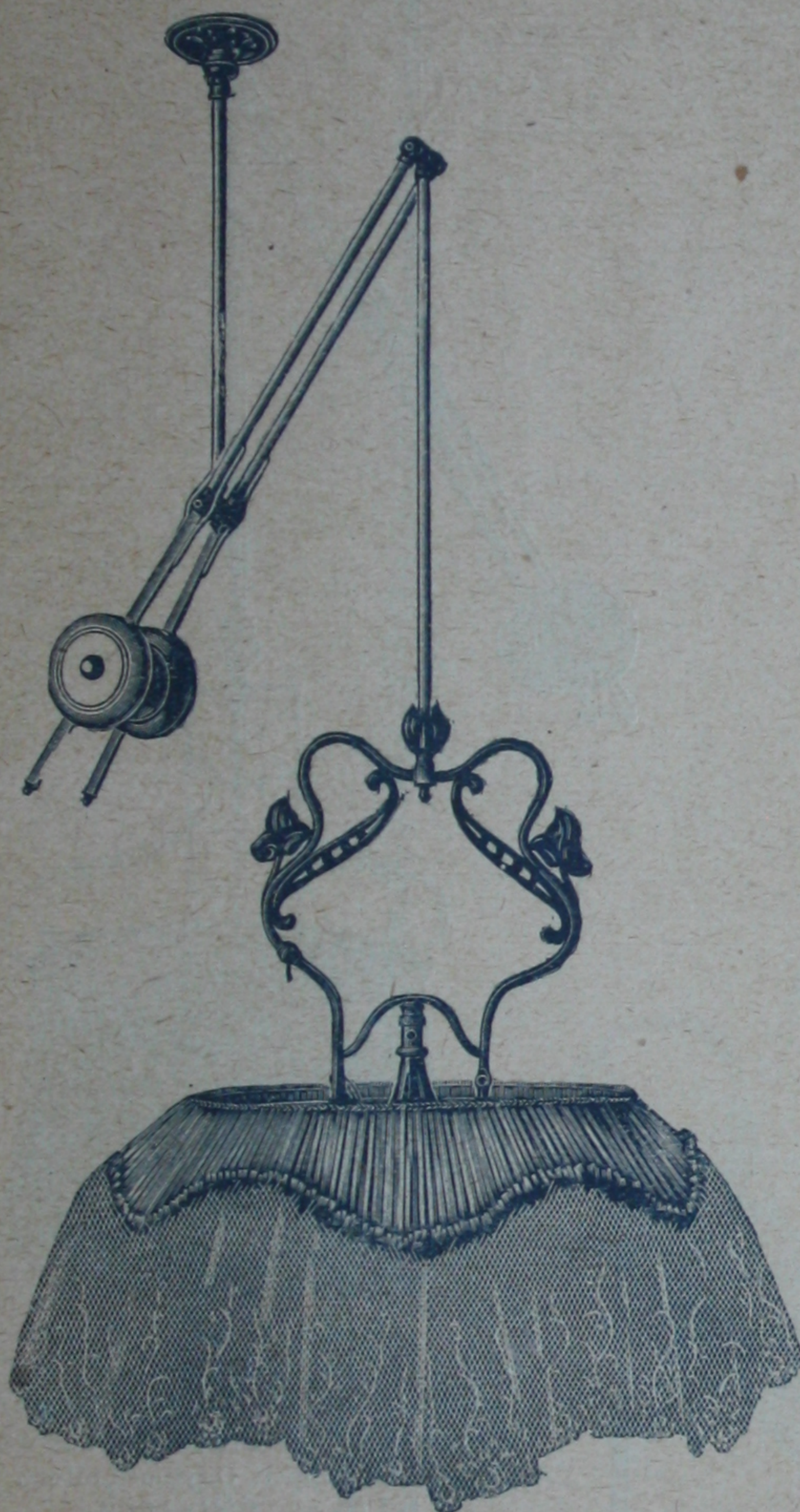
Pendant only ... Steel Bronzed. Polished Brass. **28/6** **31/6** each.
No. W1905 — 15-in. Florentine Silk Shade with 5-in. Silver Bead Fringe, Jewelled and Opal Reflector, **22/6** each.

WELSBACH LIGHT

Rise and Fall Pendants.

Length when pushed up	...	3 ft.	6 in.
„ with arm at right angles	4 „	6 „	
„ when drawn down	...	5 „	10 „
Radius of arm	...	1 „	2 „

Extra Length charged 1/4 per foot.



No. W1914.

1-Light Inverted Pendant only.

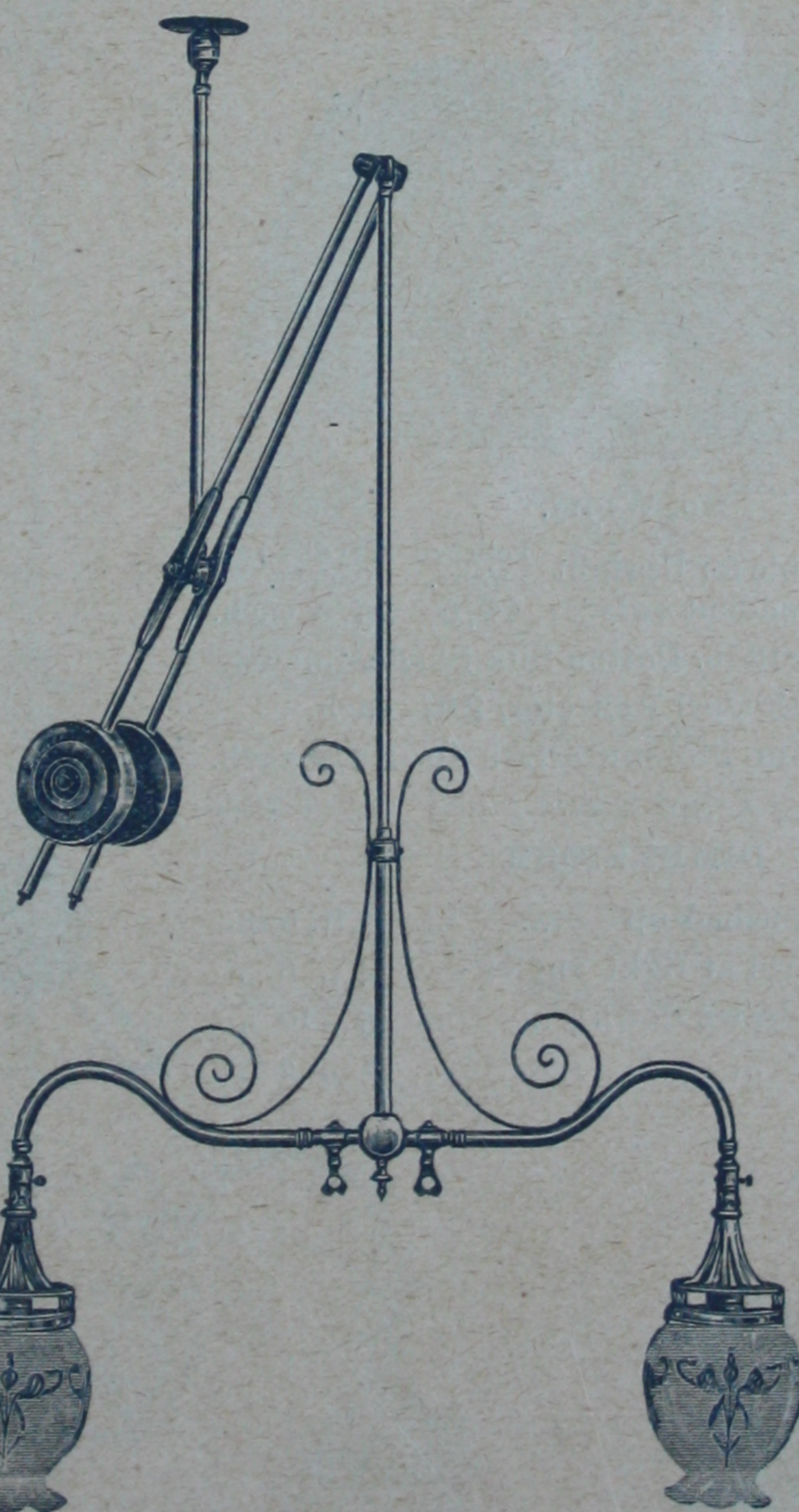
Steel Bronzed	...	43/=	each.
Polished Brass	...	45/=	„

No. W1899.

20-in. Cotton Silk Shade, Lined White,
with Opal Reflector ... 18/= each.

No. W1900.

20-in. Florentine Silk Shade, Lined White,
with Opal Reflector ... 22/= each.



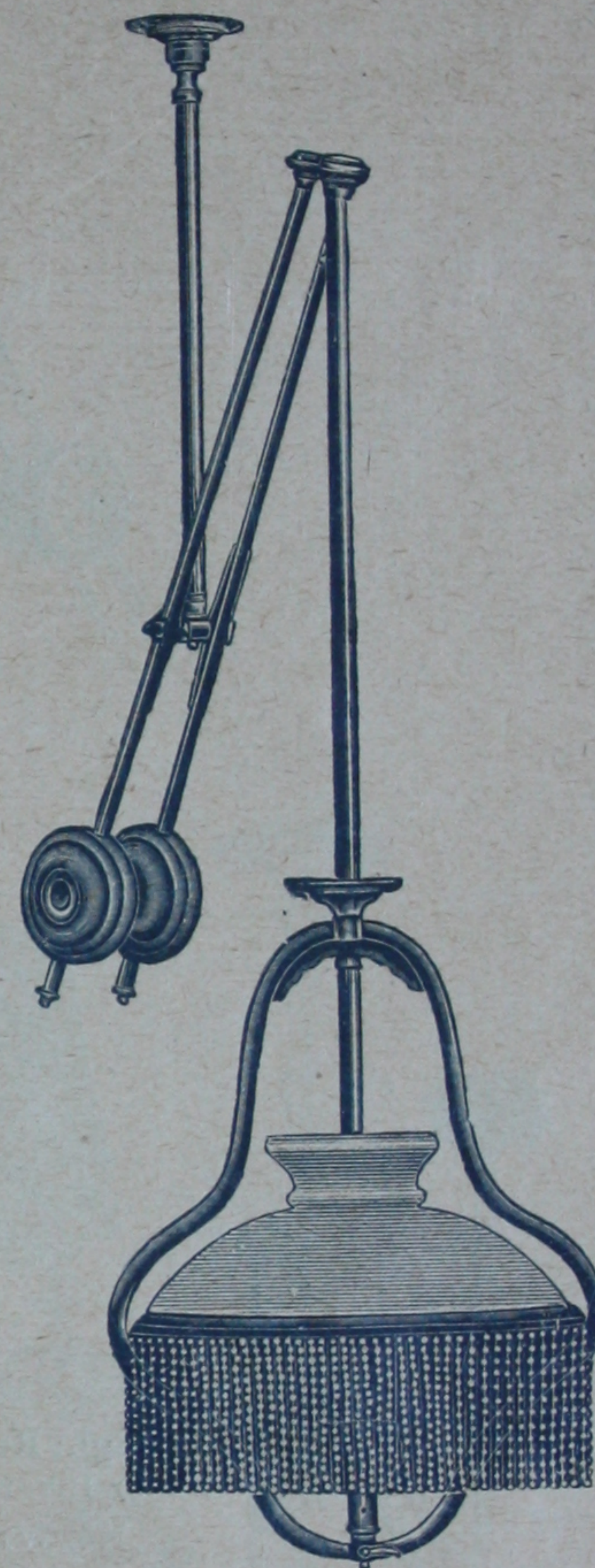
No. W2281.

2-Light Pendant for full-size Inverted Burners.

Spread 22-in.

	Steel Bronzed.	Polished Brass.
	£ s. d.	£ s. d.
Pendant only	2 14 0	2 15 6

BURNERS AND GLASS EXTRA.



No. W2279.

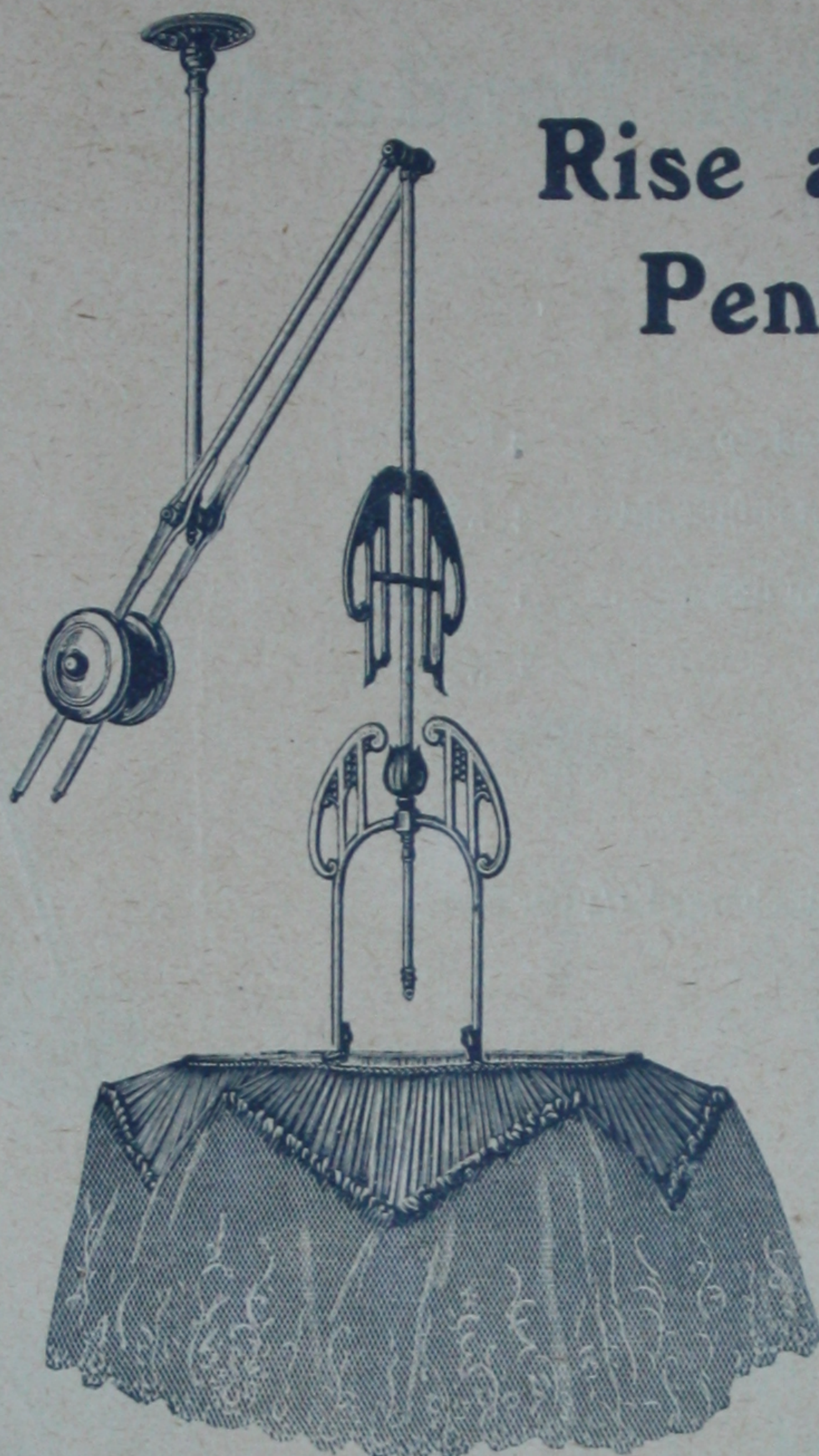
1-Light Pendant, reversible,

for use with either Upright or Inverted
Burner as desired.

	Steel Bronzed.	Polished Brass.
	£ s. d.	£ s. d.
Pendant only	2 0 0	2 2 0
No. W2286. Gold Beaded Fringe	0 3 9	0 3 9
	2 3 9	2 5 9

WELSBACH LIGHT

Rise and Fall Pendants.



No. W1915.

1-Light Reversible for Upright or Inverted Pendant only - Polished Brass. 49/6 Oxydised Copper. 54/6 each.

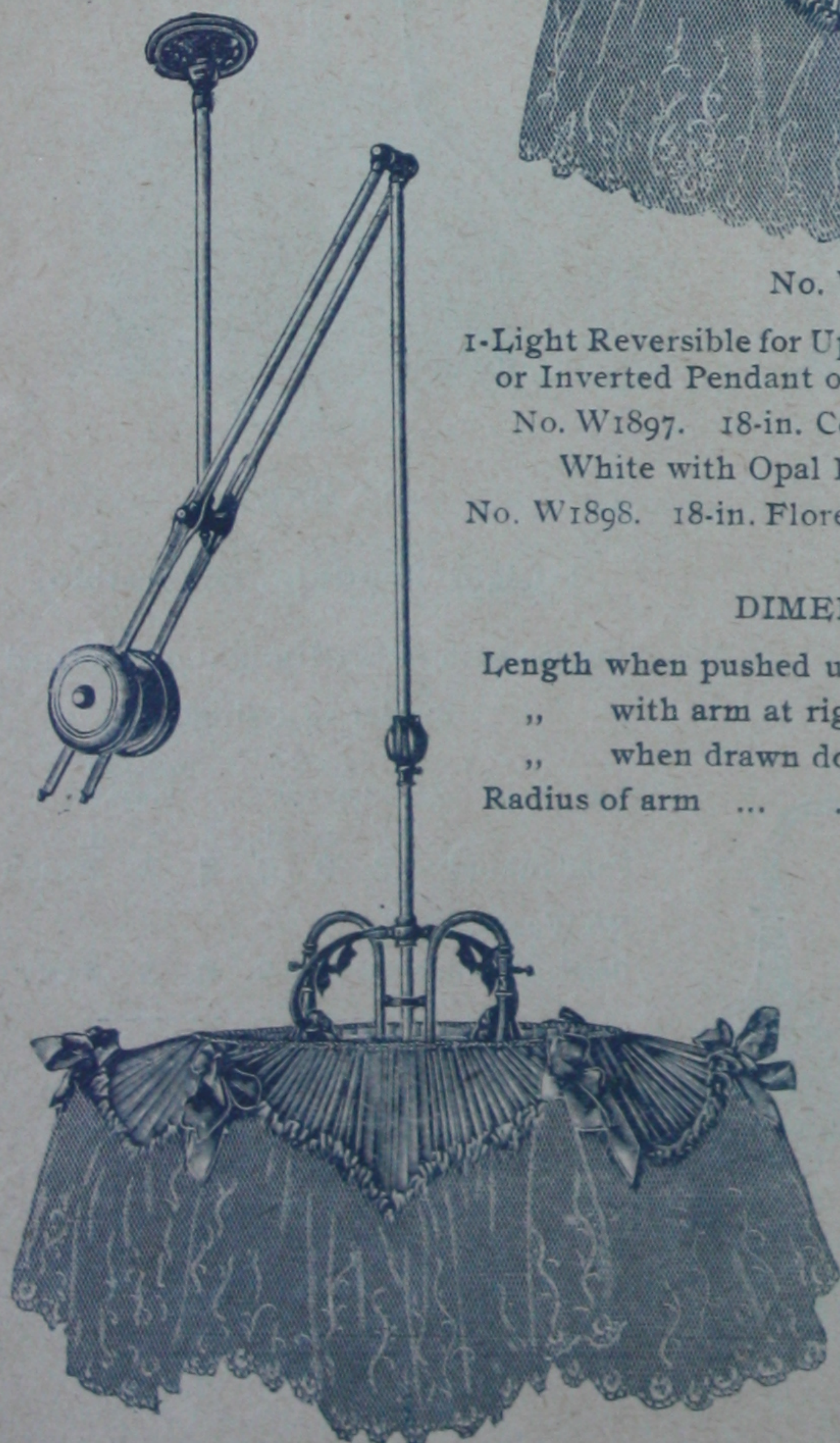
No. W1897. 18-in. Cotton Silk Shade, lined

White with Opal Reflector, 20/- each.

No. W1898. 18-in. Florentine Silk do., 24/9 each.

DIMENSIONS.

Length when pushed up	...	...	3 ft. 6 in.
„ with arm at right angles	...	...	4 „ 6 „
„ when drawn down	...	...	5 „ 10 „
Radius of arm	...	...	1 „ 2 „

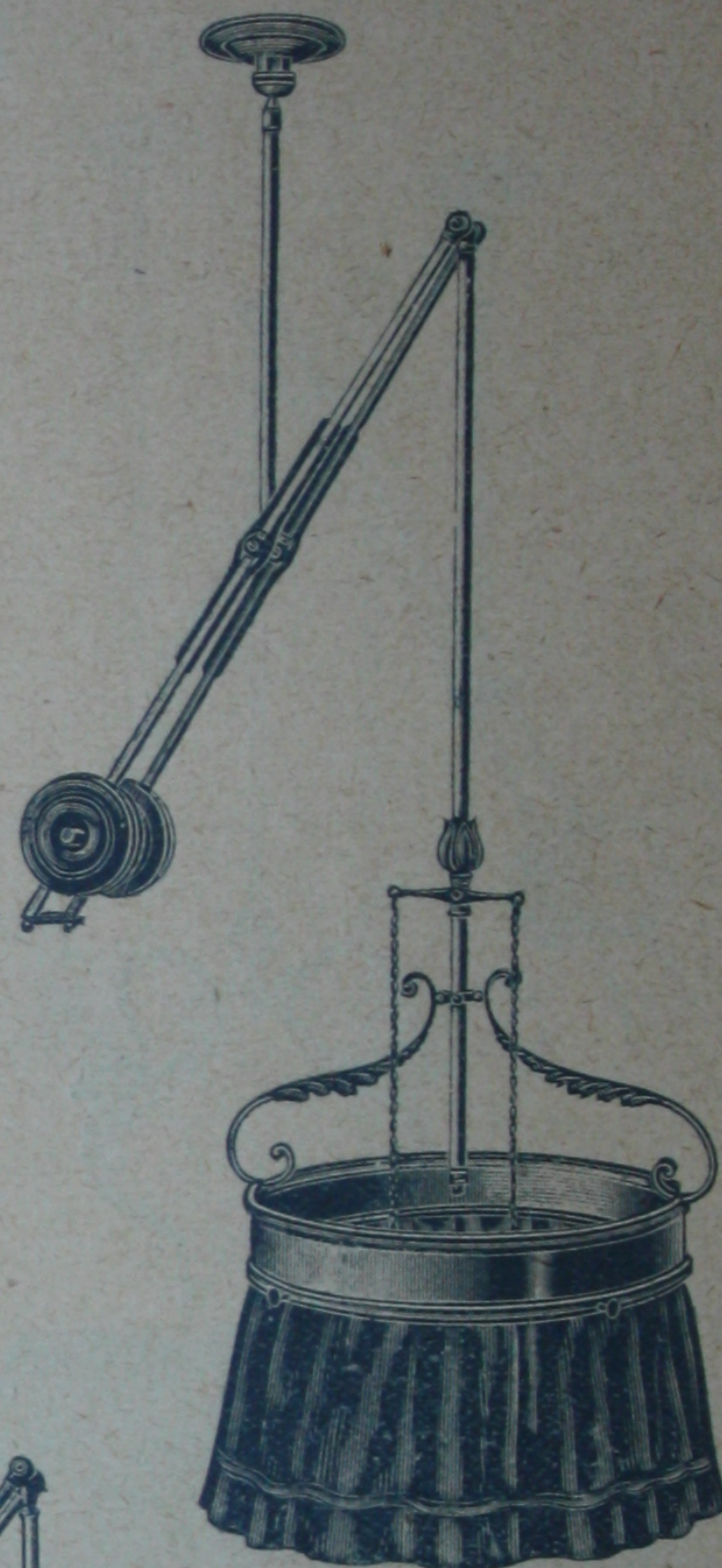


No. W1918. Polished Brass. Oxydised Copper.

2-Light Inverted Pendant only 48/- 52/6 each.

No. W1901. 20-in. Cotton Silk Shade, lined White with Opal Reflector, 26/- each.

No. W1902. 20-in. Florentine Silk do. ... 30/- each.



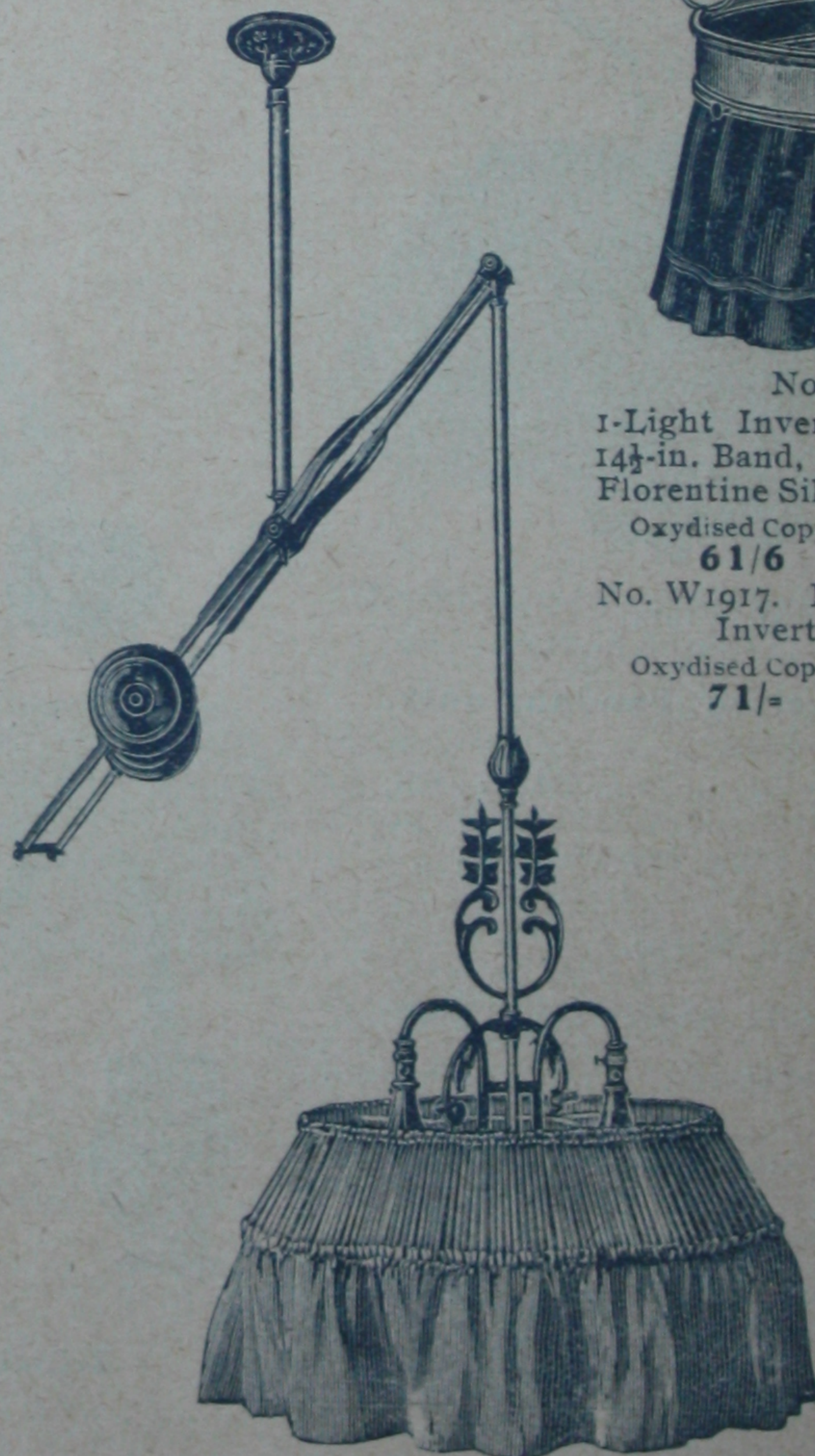
No. W1916.

1-Light Inverted Pendant, with 14½-in. Band, complete with 9-in. Florentine Silk Curtain as shewn.

Oxydised Copper. Oxydised Silver. 61/6 69/- each.

No. W1917. Ditto for Two Large Inverted Burners.

Oxydised Copper. Oxydised Silver. 71/- 78/- each.



No. W1919.—½-in. × ½-in.

Polished Brass. Oxydised Silver.

2-Light Inverted Pendant only 58/- 69/6 each.

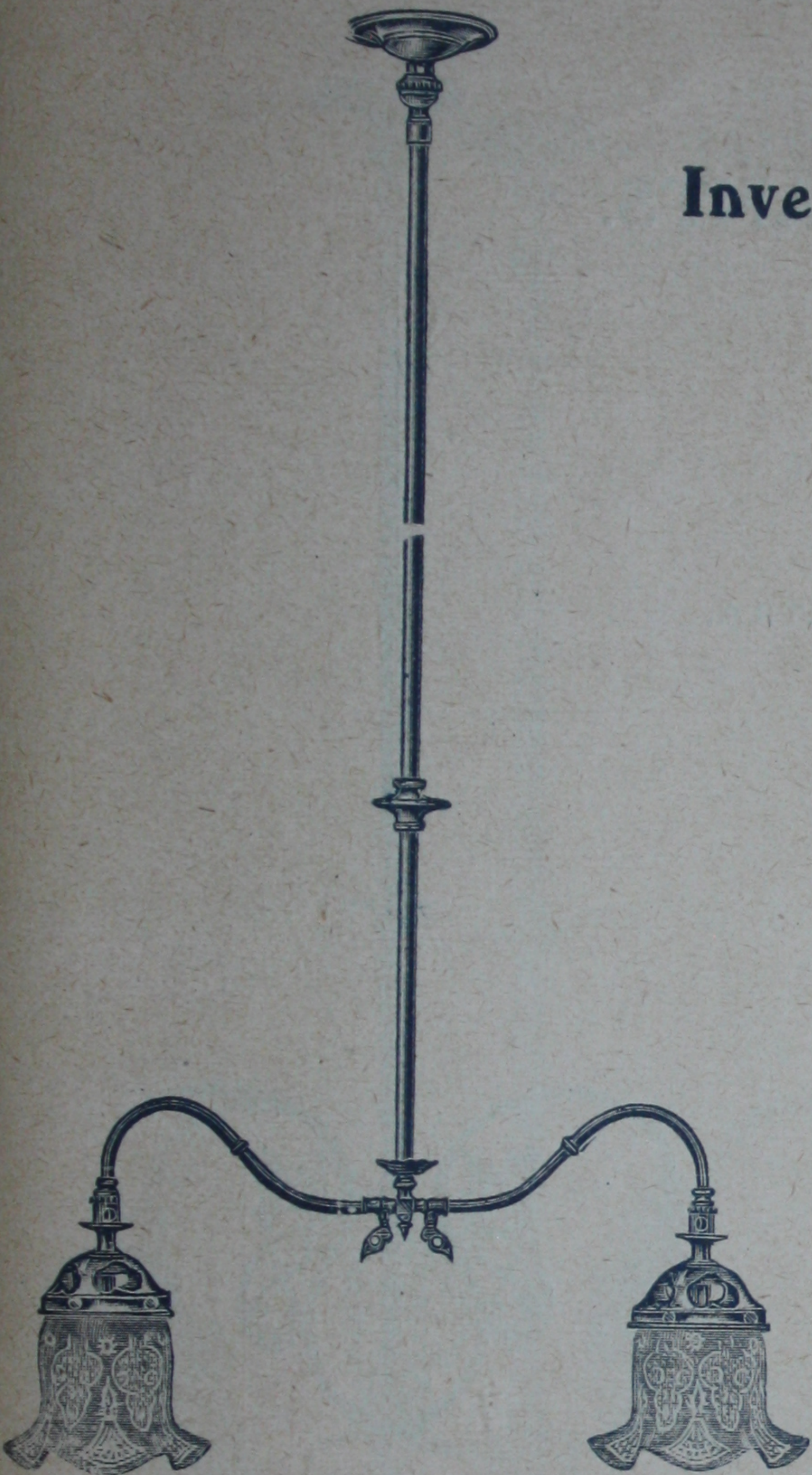
No. W1895. 19-in. Cotton Silk Shade, lined White, with Opal Reflector, 16/- each.

No. W1896. 19-in. Florentine Silk do., 20/- each.

For complete range of Shades and particulars as to colors, see page 72.

WELSBACH LIGHT

Inverted Pendants.



No. W3500.

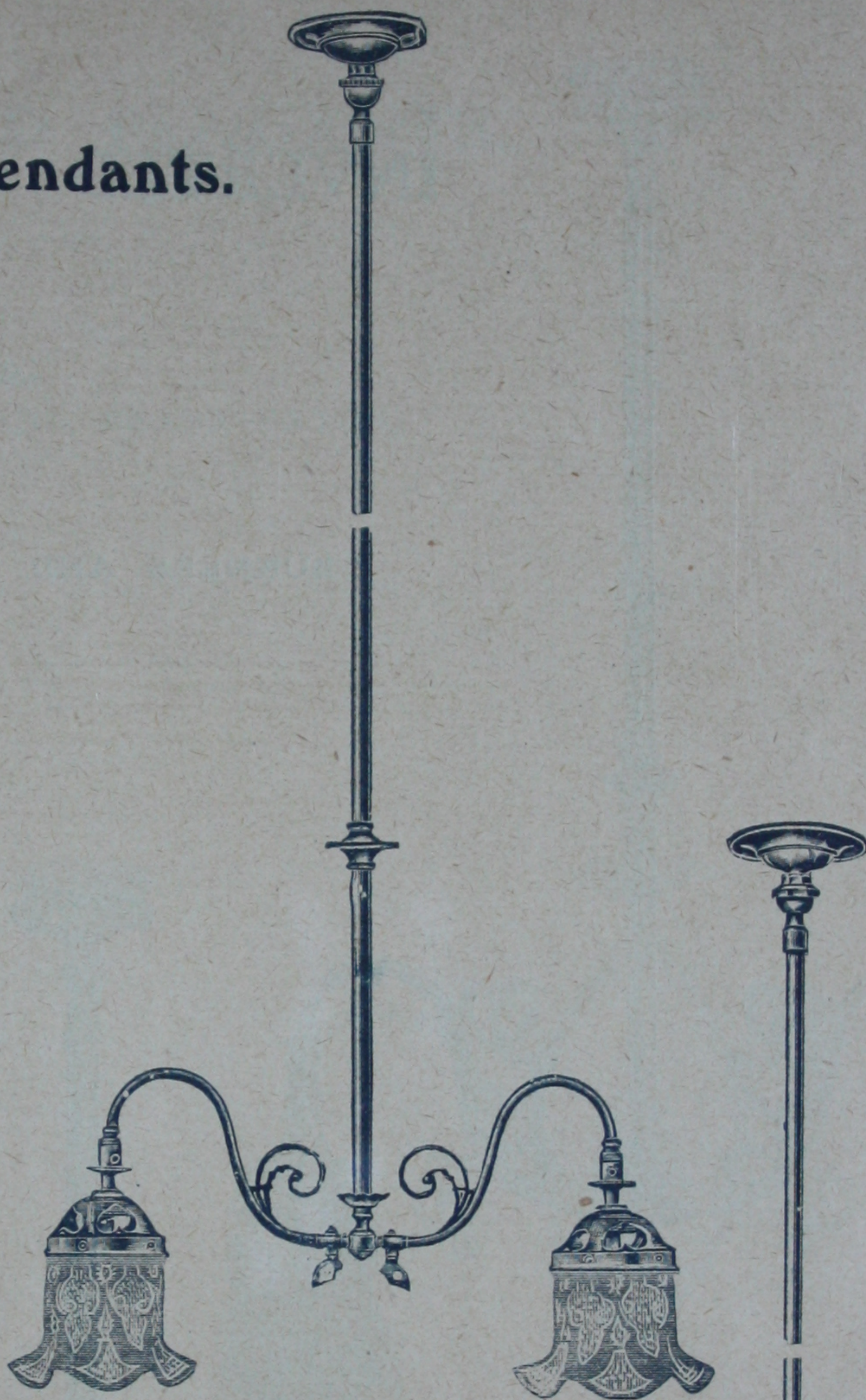
Length 3-ft. 6-in. Down Rod $\frac{1}{2}$ -in. Arms $\frac{3}{8}$ -in.
Spread 17-in.

Polished Brass
or Steel Bronzed.

Antique Copper.

2-Light ... 8/6 each.

9/6 each.



No. W3501.

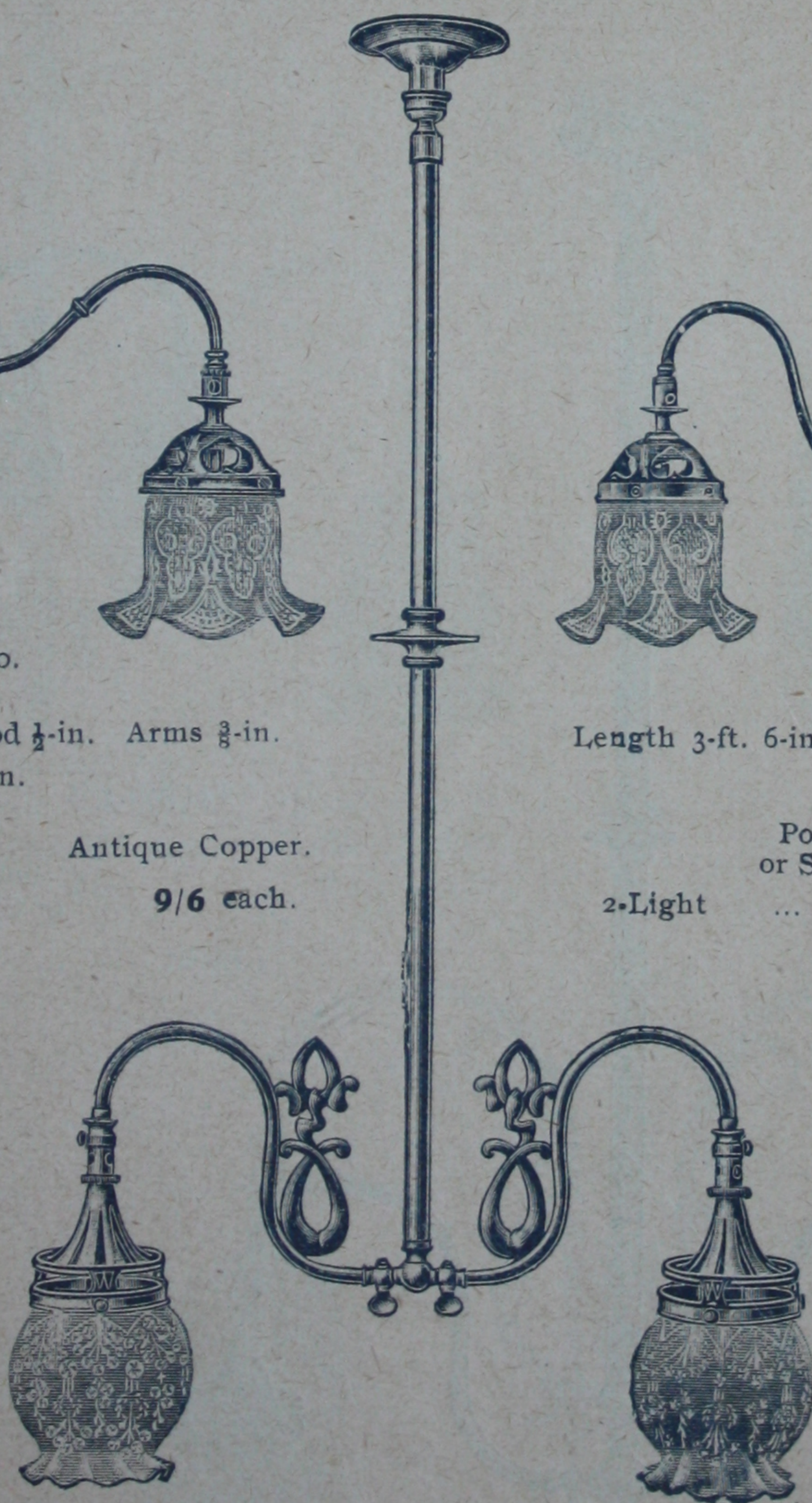
Length 3-ft. 6-in. Down Rod $\frac{1}{2}$ -in. Arms $\frac{3}{8}$ -in.
Spread 17 $\frac{1}{2}$ -in.

Polished Brass
or Steel Bronzed.

Antique Copper.

2-Light ... 10/6 each.

11/6 each.

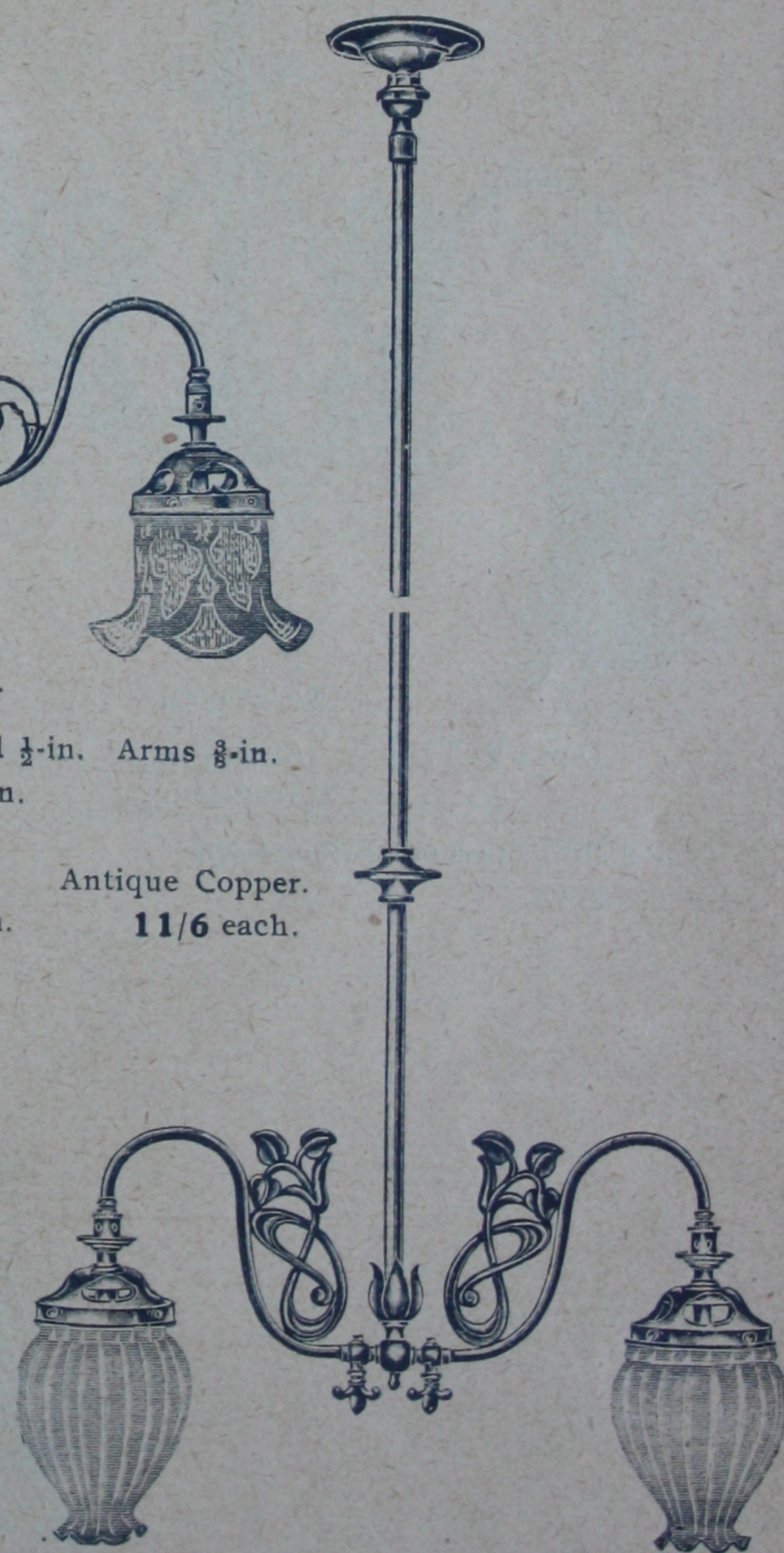


No. W1922.

Down Rod $\frac{1}{2}$ -in. Arms $\frac{3}{8}$ -in. Length 42-in.
Spread 17-in.

Polished Brass, Steel, or Florentine Bronzed,

10/6 each.



No. W3502.

Length 4-ft. Down Rod $\frac{1}{2}$ -in. Arms $\frac{3}{8}$ -in.
Spread 17-in.

Polished Brass
or Steel Bronzed.

Antique Copper.

2-Light ... 13/6 each.

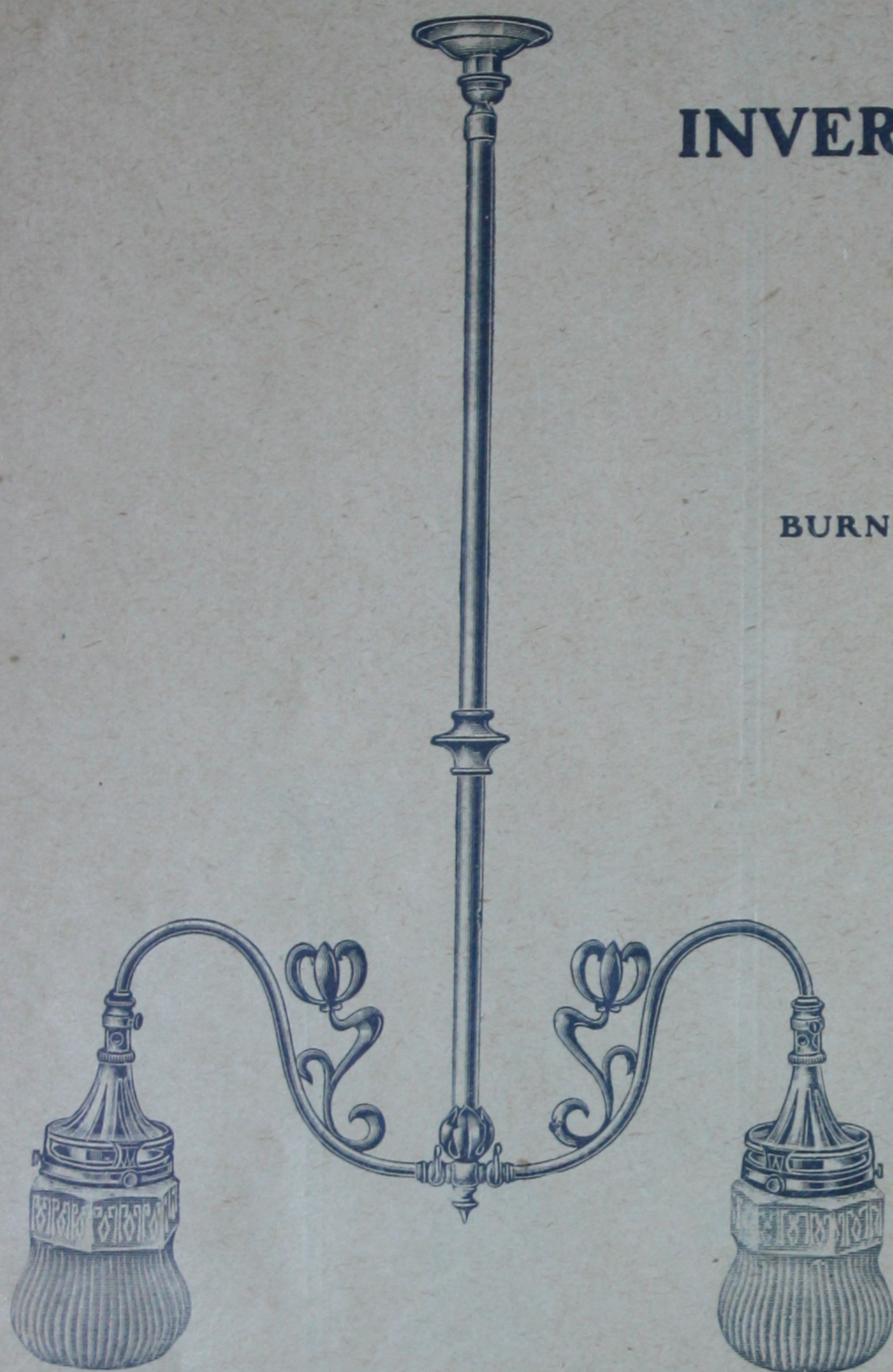
15/- each.

BURNERS AND GLASS EXTRA.

WELSBACH LIGHT

INVERTED PENDANTS.

BURNERS AND GLASS EXTRA.



No. W1923.

Down Rod $\frac{1}{2}$ -in.

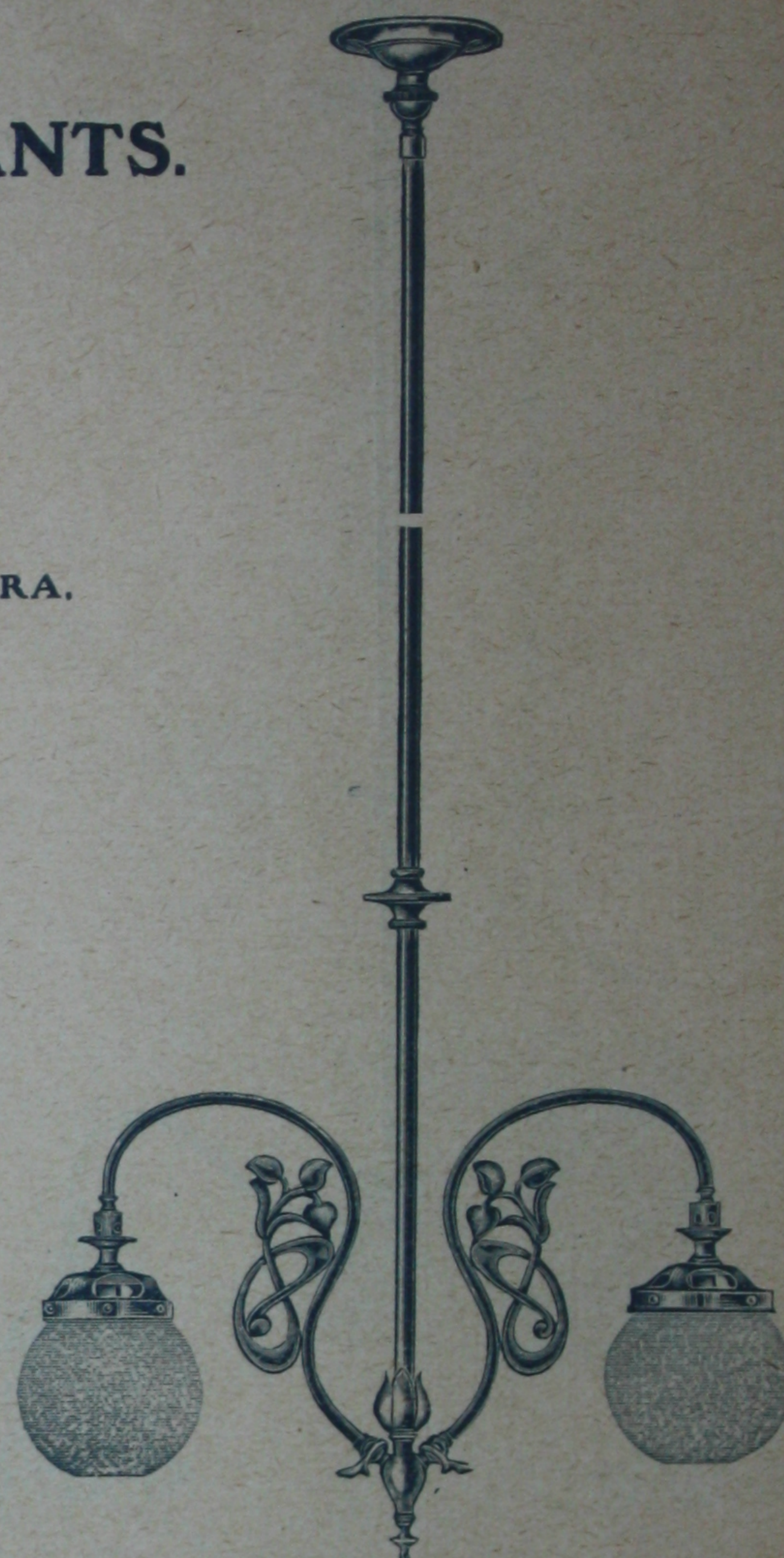
Arms $\frac{3}{8}$ -in.

Length 48-in.

Spread 20-in.

Polished Brass or Antique Copper

... 12/9 each.



No. W3503.

Length 4-ft.

Down Rod $\frac{1}{2}$ -in.

Arms $\frac{3}{8}$ -in.

Spread 16-in.

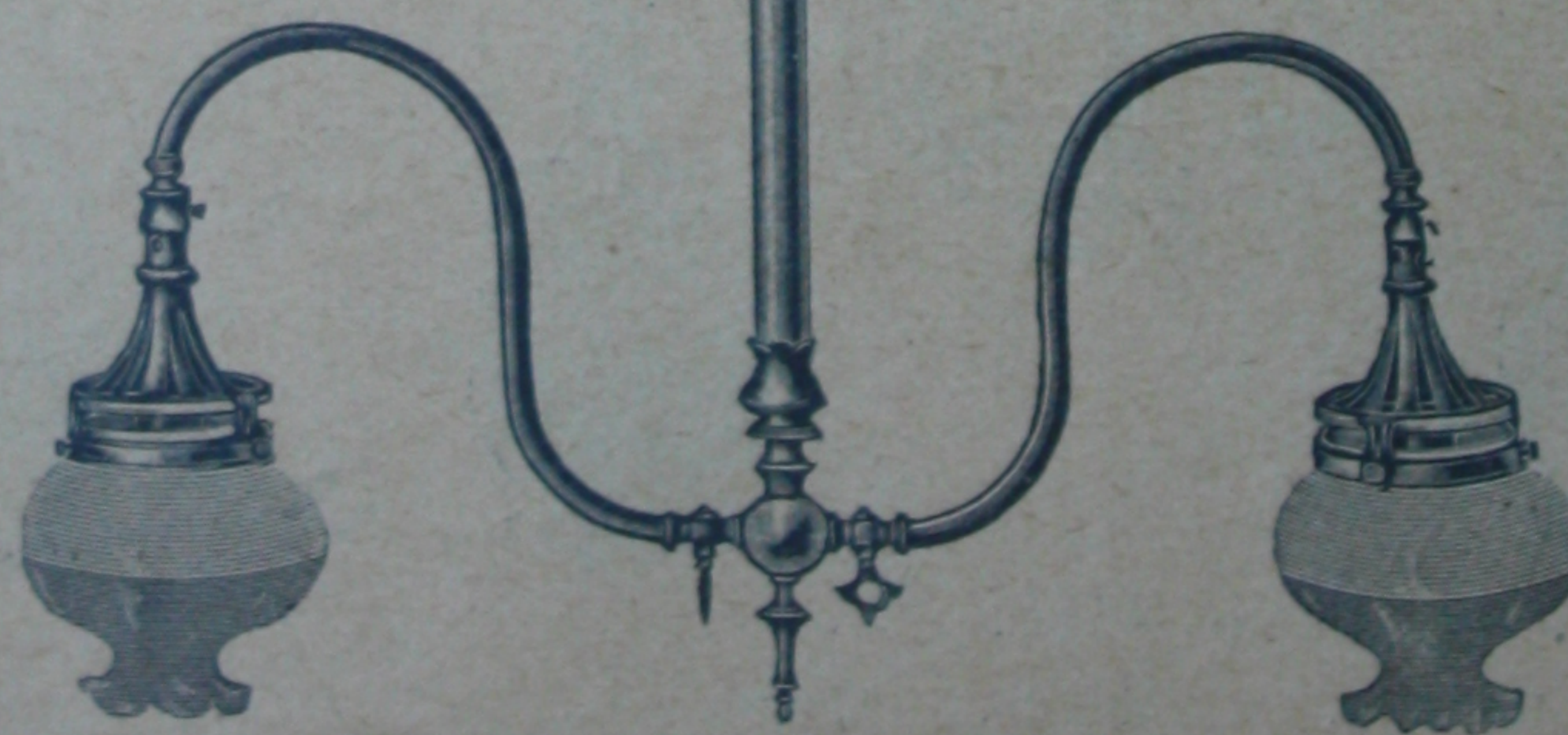
Polished Brass
or Steel Bronzed.

Antique Copper.

2-Light

... 16/6

18/6 each.



2-Light, Polished Brass or Steel Bronzed, with Cast Vase.

Arms 10-in. rise. Spread 22-in.

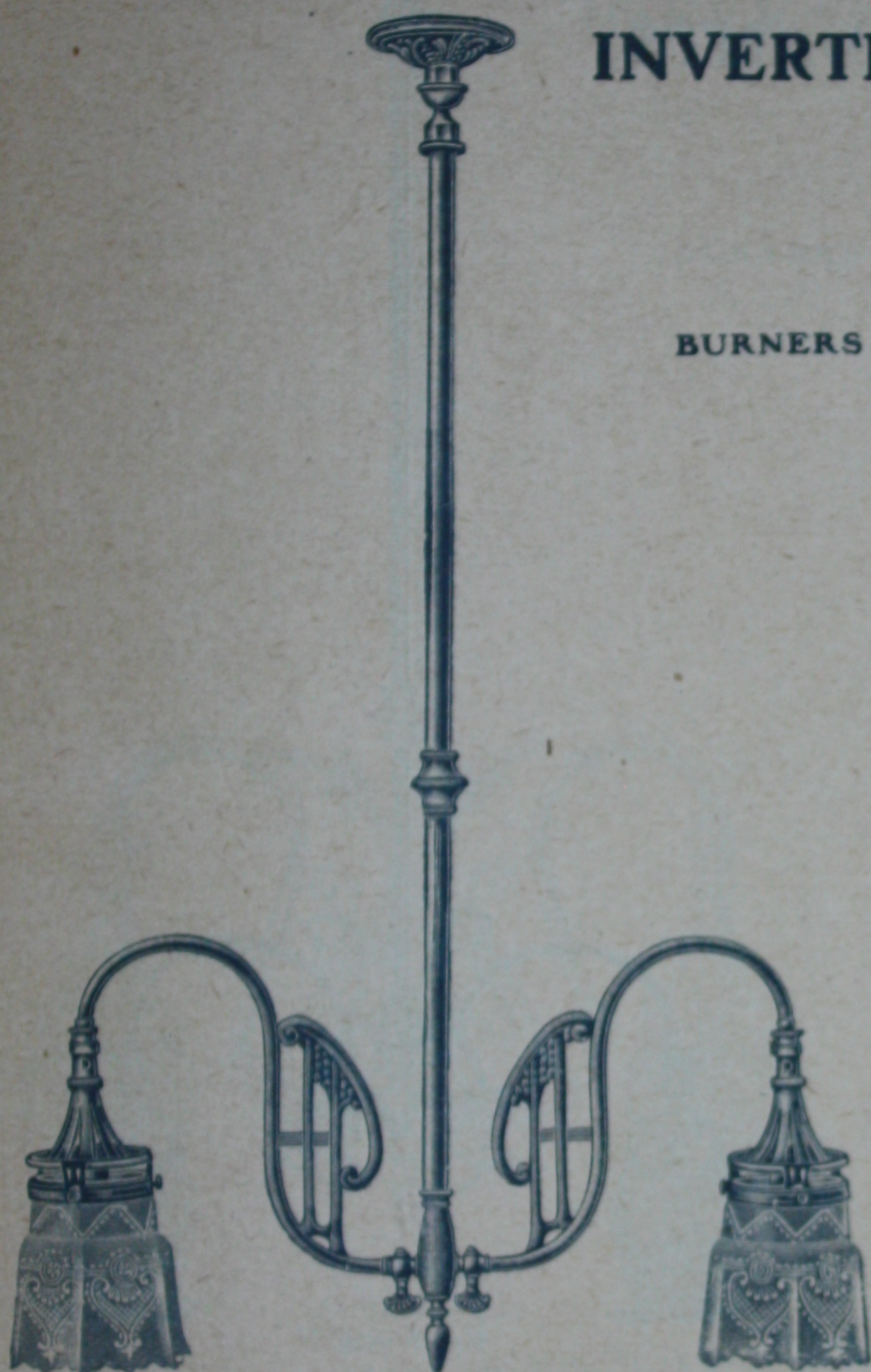
No. W1920. $\frac{3}{8}$ -in. Down Rod $\times$ $\frac{1}{2}$ -in. Arms ... 15/9 each.

No. W1921. $\frac{3}{4}$ -in. " $\times$ $\frac{1}{2}$ -in. " ... 20/- "

WELSBACH LIGHT

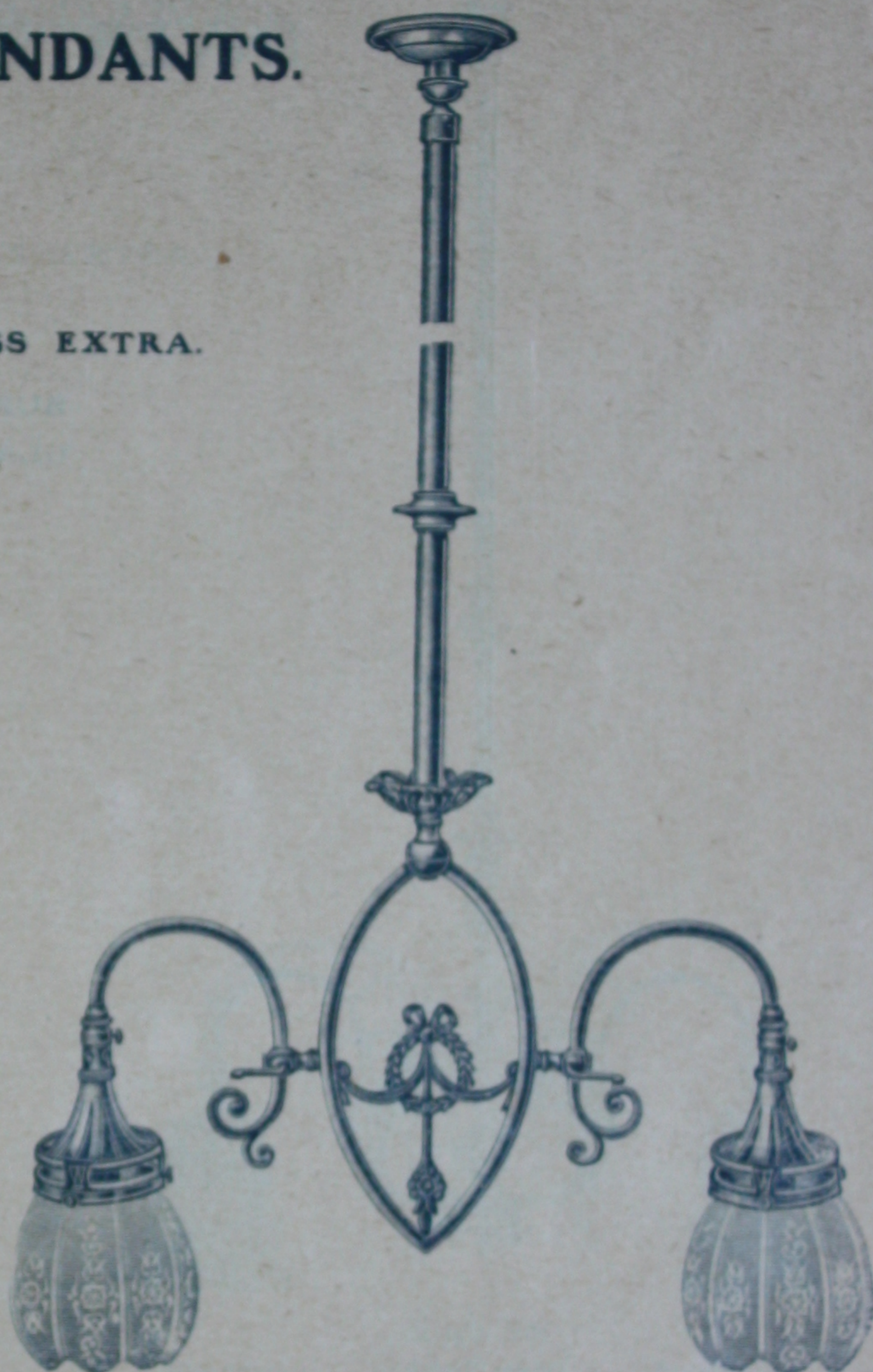
INVERTED PENDANTS.

BURNERS AND GLASS EXTRA.



No. W1924.

Length 48-in. Down Rod $\frac{3}{4}$ -in. Arms $\frac{3}{4}$ -in. Spread 20-in.
Polished Brass. Oxydised Copper.
2-Light 20/- 22/- each.



No. W1925.

Length 48-in. Down Rod $\frac{1}{2}$ -in. Arms $\frac{3}{4}$ -in. Spread 20-in.
Polished Brass. Oxydised Silver.
2-Light 21/- 25/6 each.



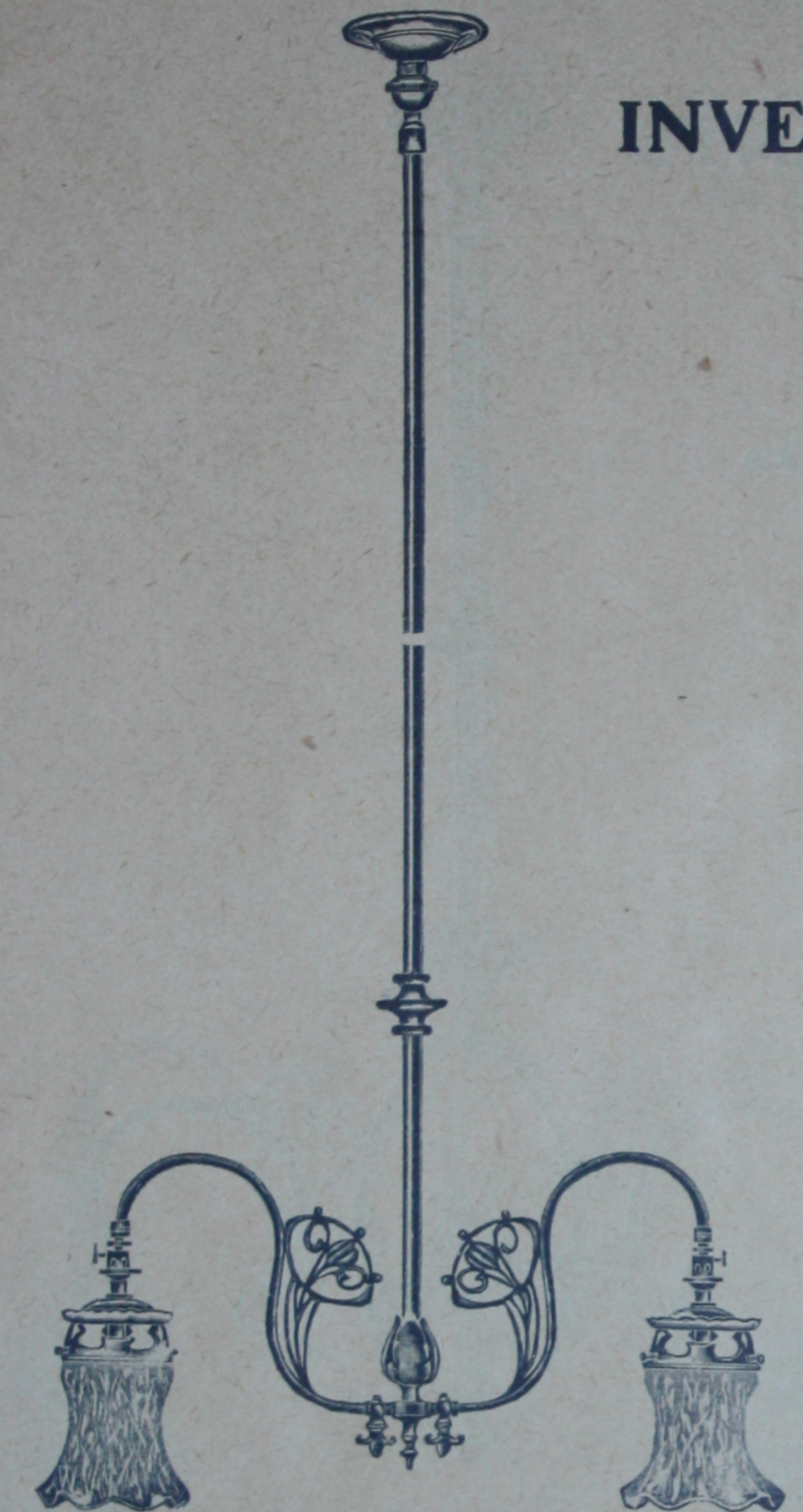
No. W1926.

Length 48-in. Down Rod $\frac{3}{4}$ -in. Spread 18-in.
Arms $\frac{3}{4}$ -in. Square Tube.
2-Light ... Polished Brass or Antique Copper 26/- each.

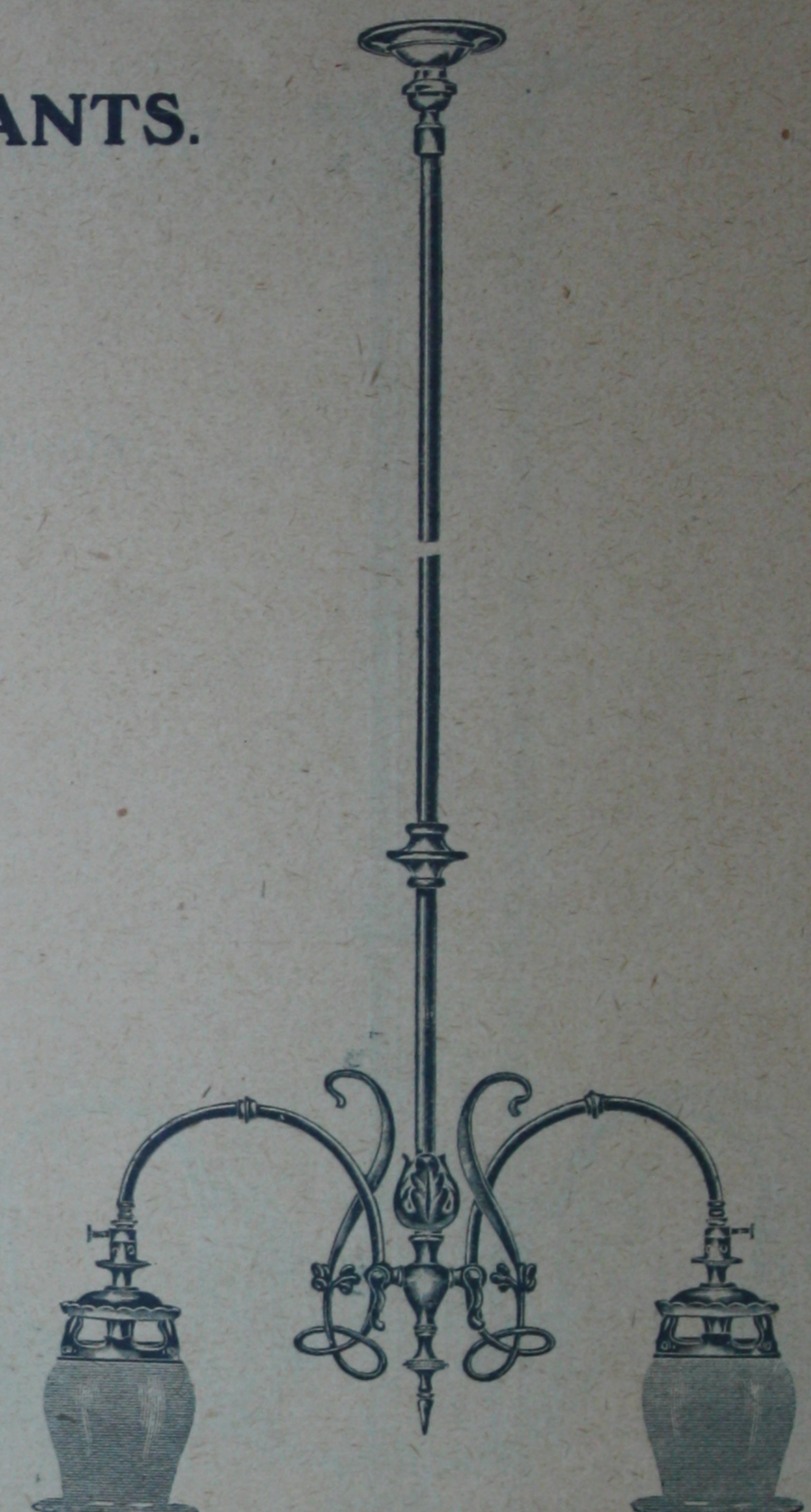
WELSBACH LIGHT

INVERTED PENDANTS.

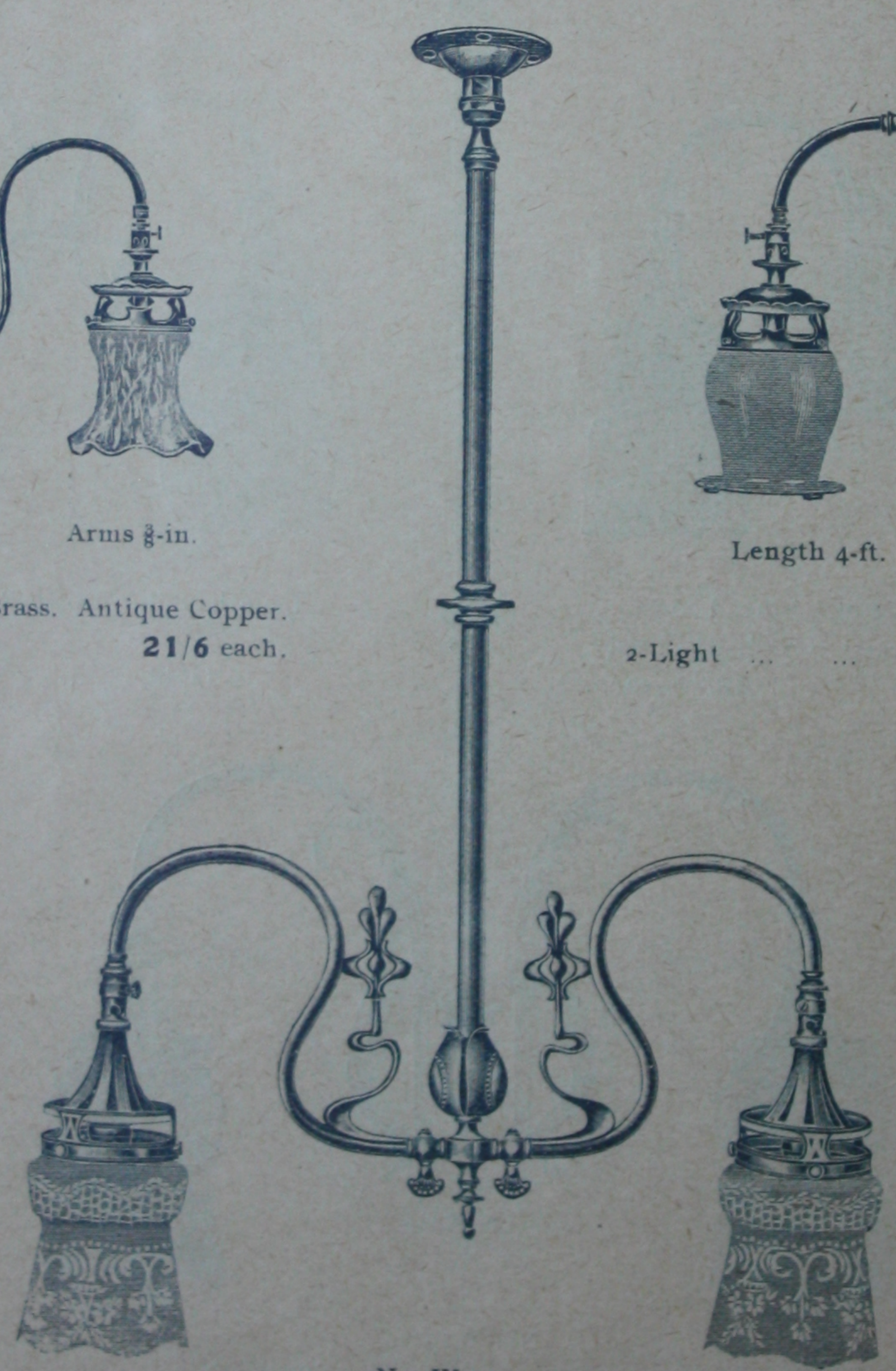
BURNERS AND
GLASS EXTRA.



No. W3504.
Length 4-ft. Down Rod $\frac{3}{8}$ -in. Arms $\frac{3}{8}$ -in.
Spread 20-in.
Polished Brass. Antique Copper.
2-Light 19/6 21/6 each.



No. W3505.
Length 4-ft. Down Rod $\frac{3}{8}$ -in. Arms $\frac{3}{8}$ -in.
Spread 18-in.
Polished Brass. Antique Copper.
2-Light 21/- 23/- each.

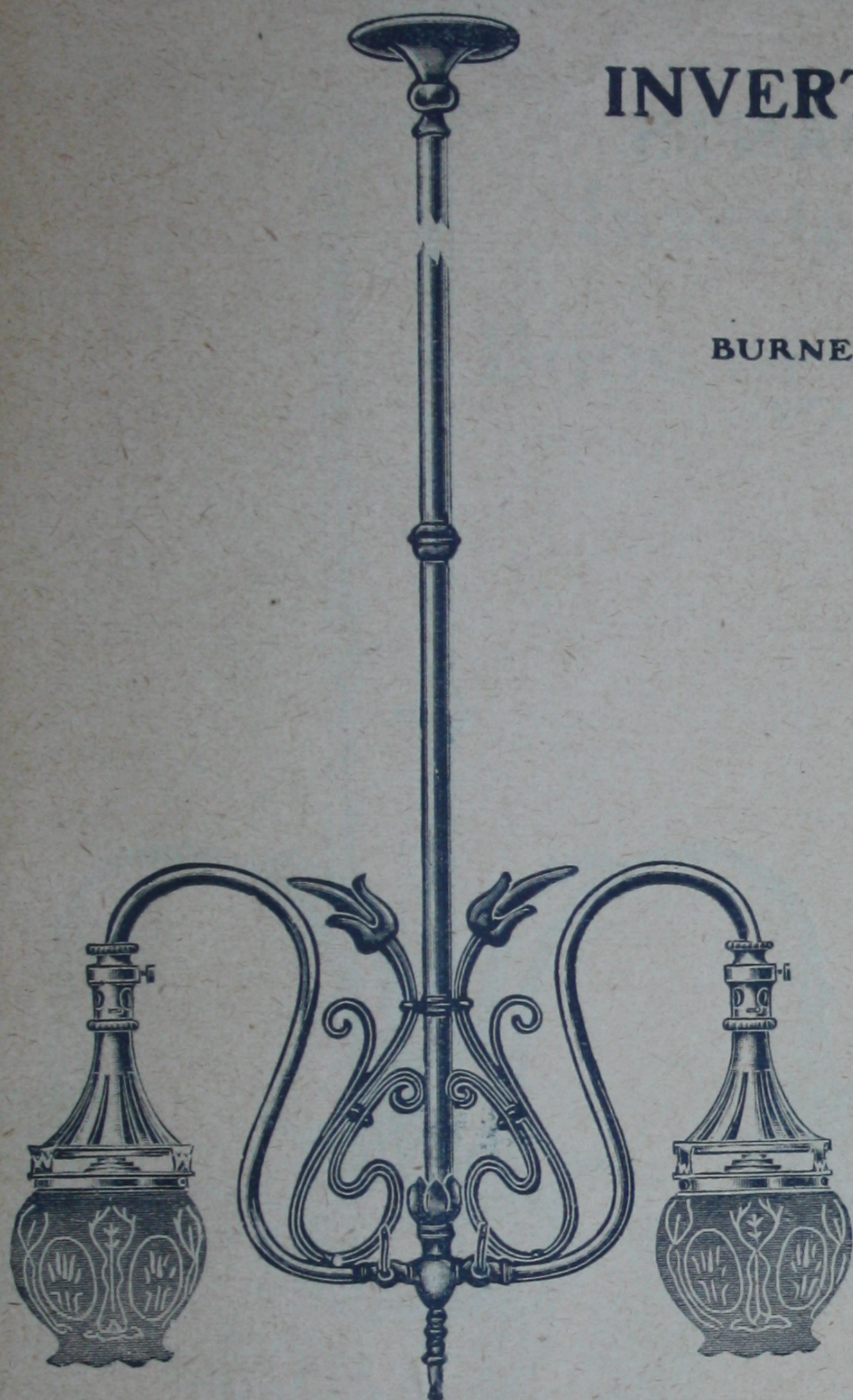


No. W1927.
Length 4-ft. Down Rod $\frac{1}{2}$ -in. Arms $\frac{3}{8}$ -in. Spread 20-in.
Polished Brass. Oxydised Copper.
2-Light 16/- 17/6 each.

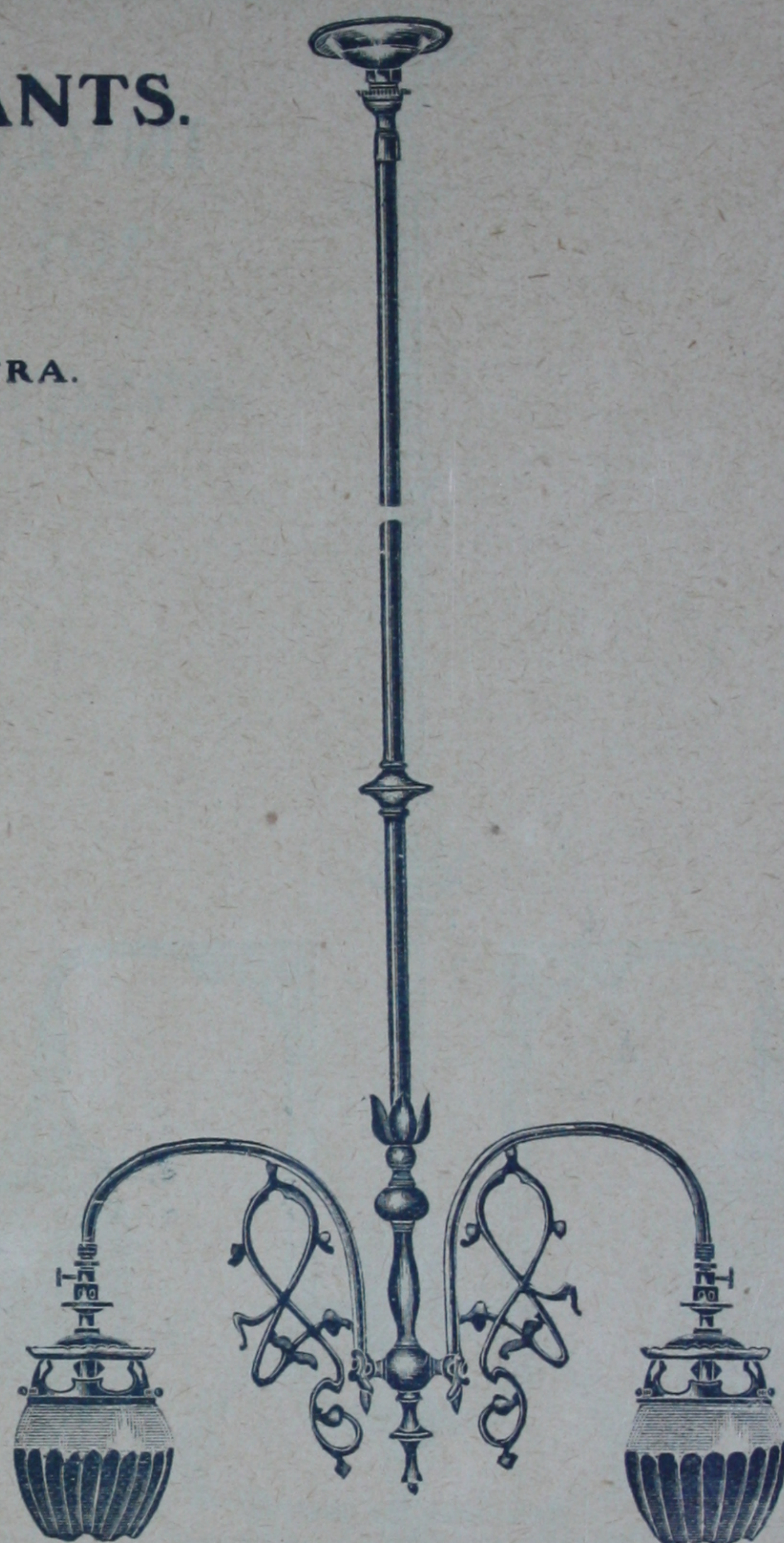
WELSBACH LIGHT

INVERTED PENDANTS.

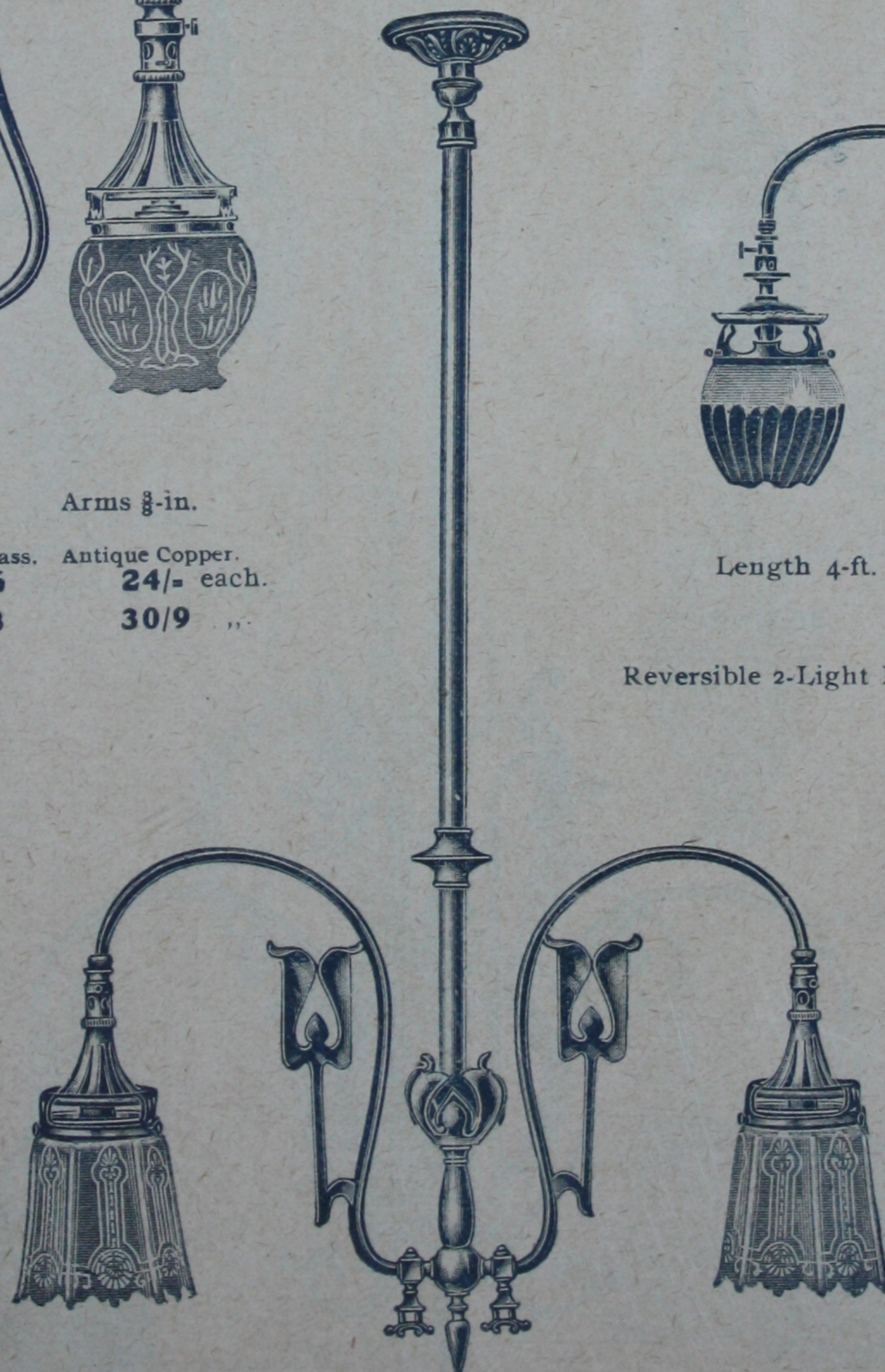
BURNERS AND GLASS EXTRA.



No. W2035.
Length 4-ft. Down Rod $\frac{1}{2}$ -in. Spread 17-in. Arms $\frac{3}{8}$ -in.
Polished Brass. Antique Copper.
2-Light 22/6 24/= each.
3-Light 29/3 30/9 ..



No. W3506.
Length 4-ft. Down Rod $\frac{1}{2}$ -in. Spread 19-in. Arms $\frac{3}{8}$ -in.
Polished Brass. Antique Copper.
Reversible 2-Light Inverted or Upright C 23/6 26/= each

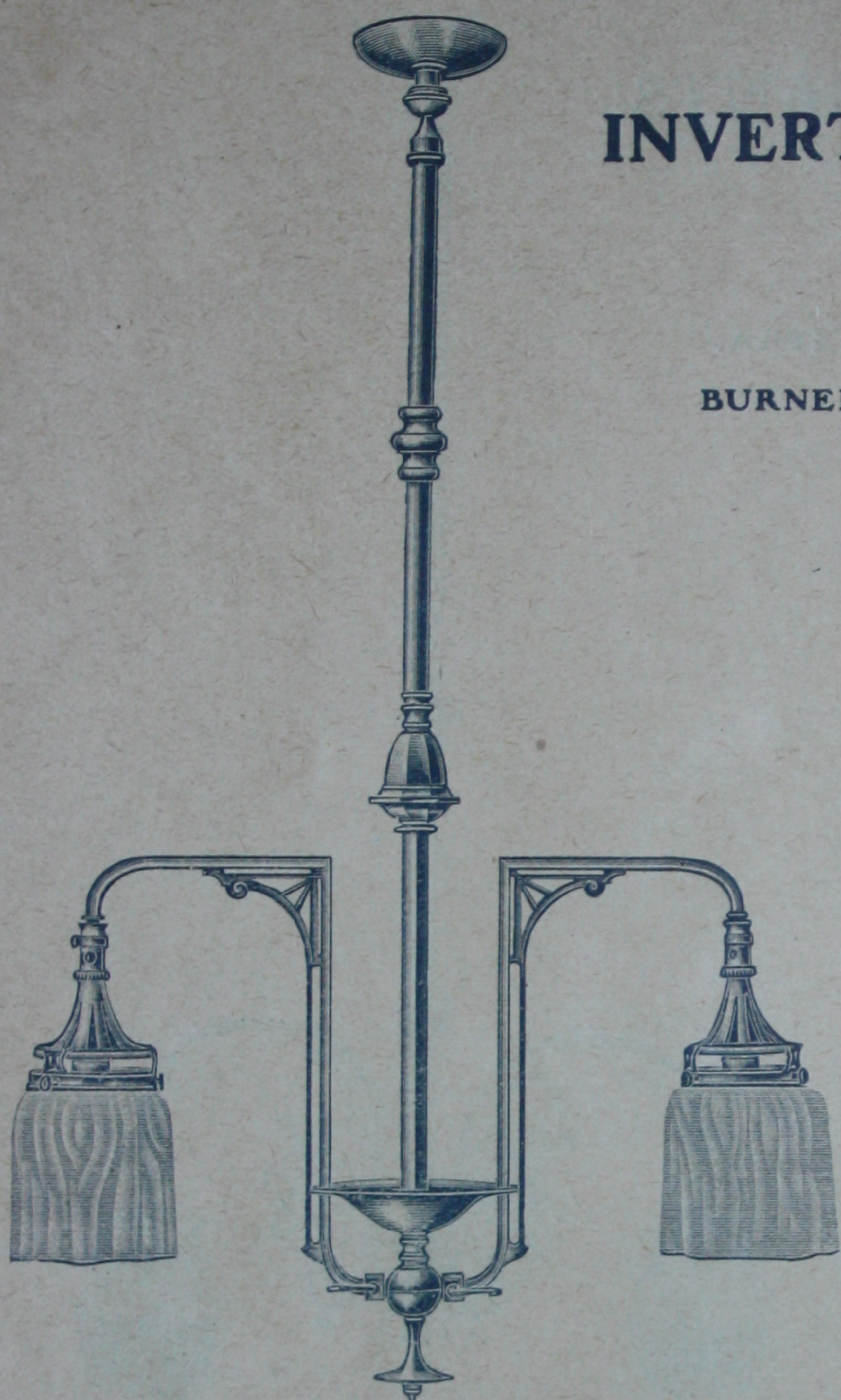


No. W1928.
Length 48-in. Down Rod $\frac{3}{4}$ -in. Arms $\frac{3}{8}$ -in. 3-Corner Tube. Spread 21-in.
Polished Brass. Oxydised Silver.
2-Light 27/= 32/6 each.

WELSBACH LIGHT

INVERTED PENDANTS.

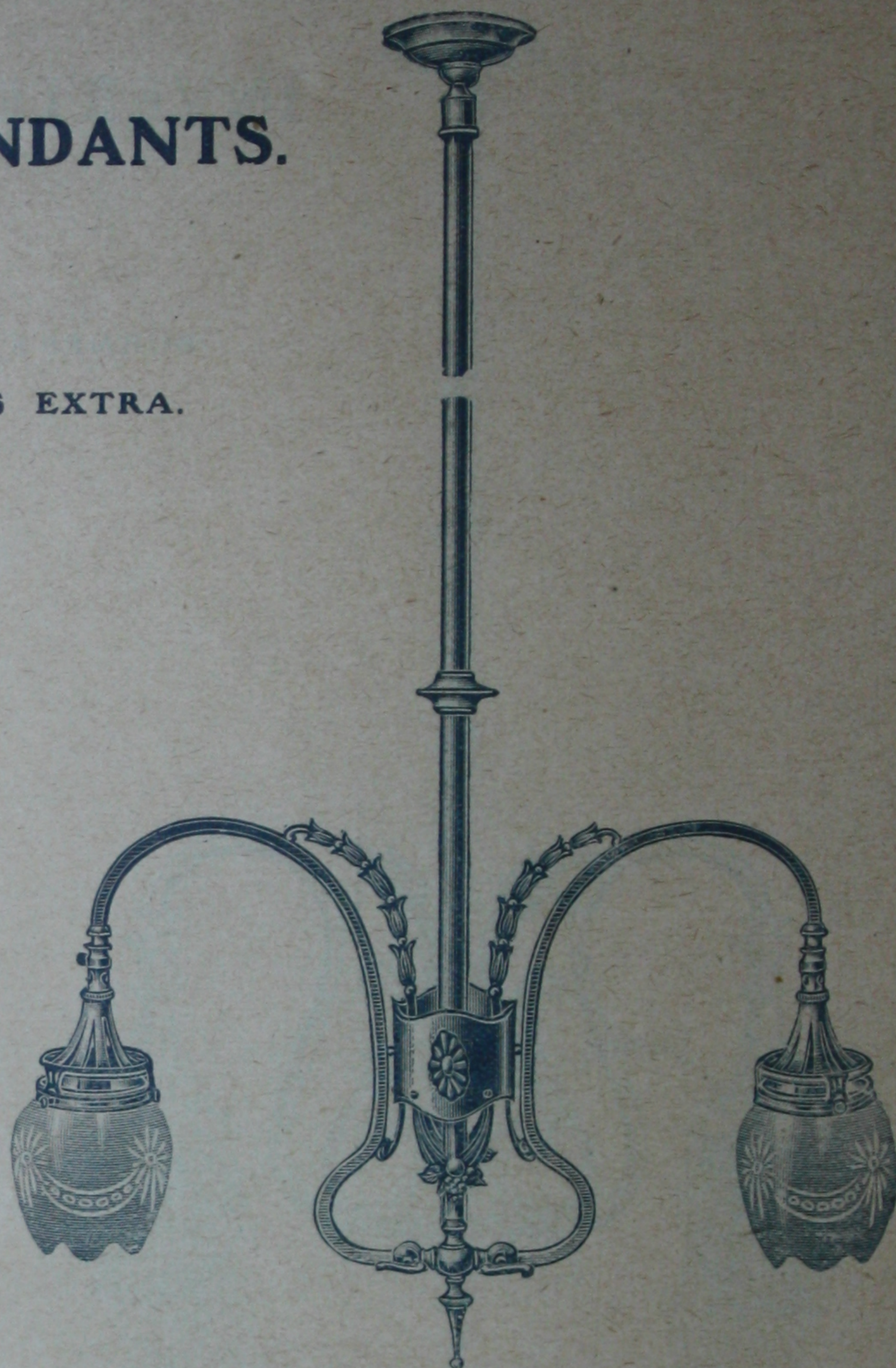
BURNERS AND GLASS EXTRA.



No. W1929.

Length 48-in. Down Rod $\frac{3}{4}$ -in. Arms $\frac{3}{4}$ -in. Square Tube.
Spread 19-in.

2 Light, Polished Brass 36/- each.



No. W1930.

Length 48-in. Down Rod $\frac{3}{4}$ -in. Hexagonal.
Arms $\frac{3}{4}$ -in. Square. Spread 22-in.

2 Light, Satin Finish Brass, Steel Relief 57/- each.



No. W1931.

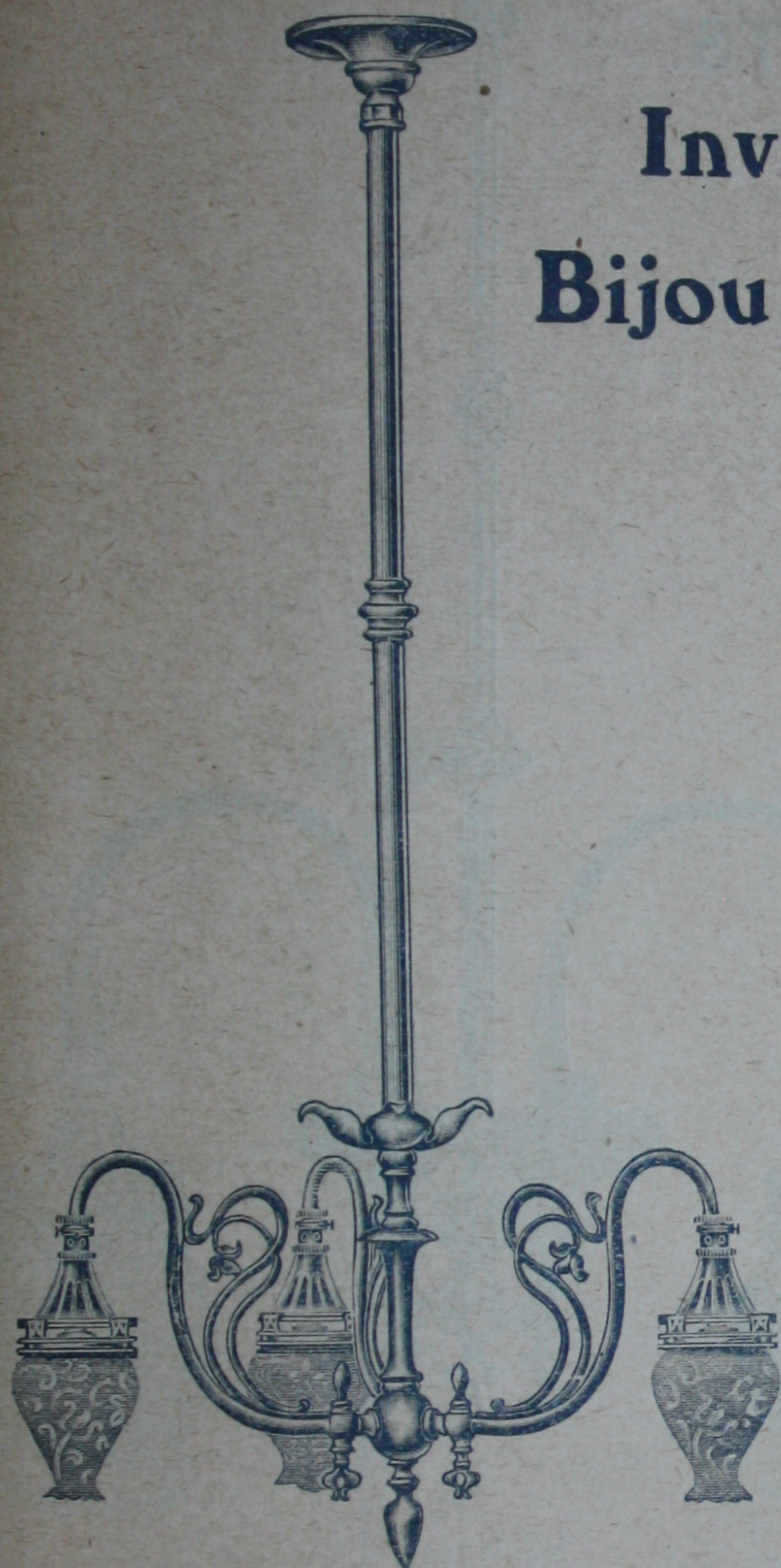
Length 48-in. Down Rod $\frac{3}{4}$ -in. Arms $\frac{3}{4}$ -in. x $\frac{1}{4}$ -in. Spread 24-in.

2 Light, Polished Brass 54/- each.

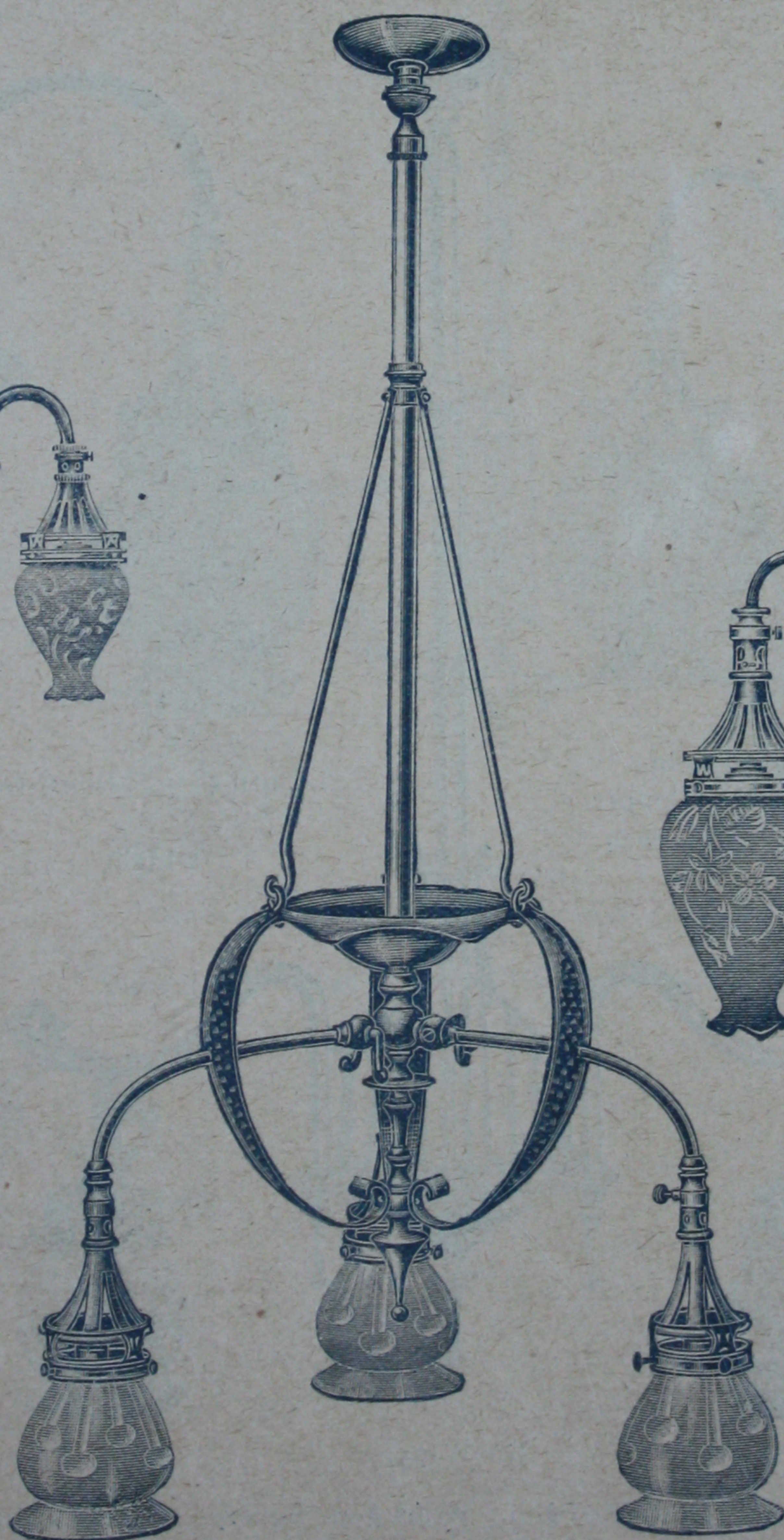
„ Oxydised Silver 64/- „

WELSBACH LIGHT

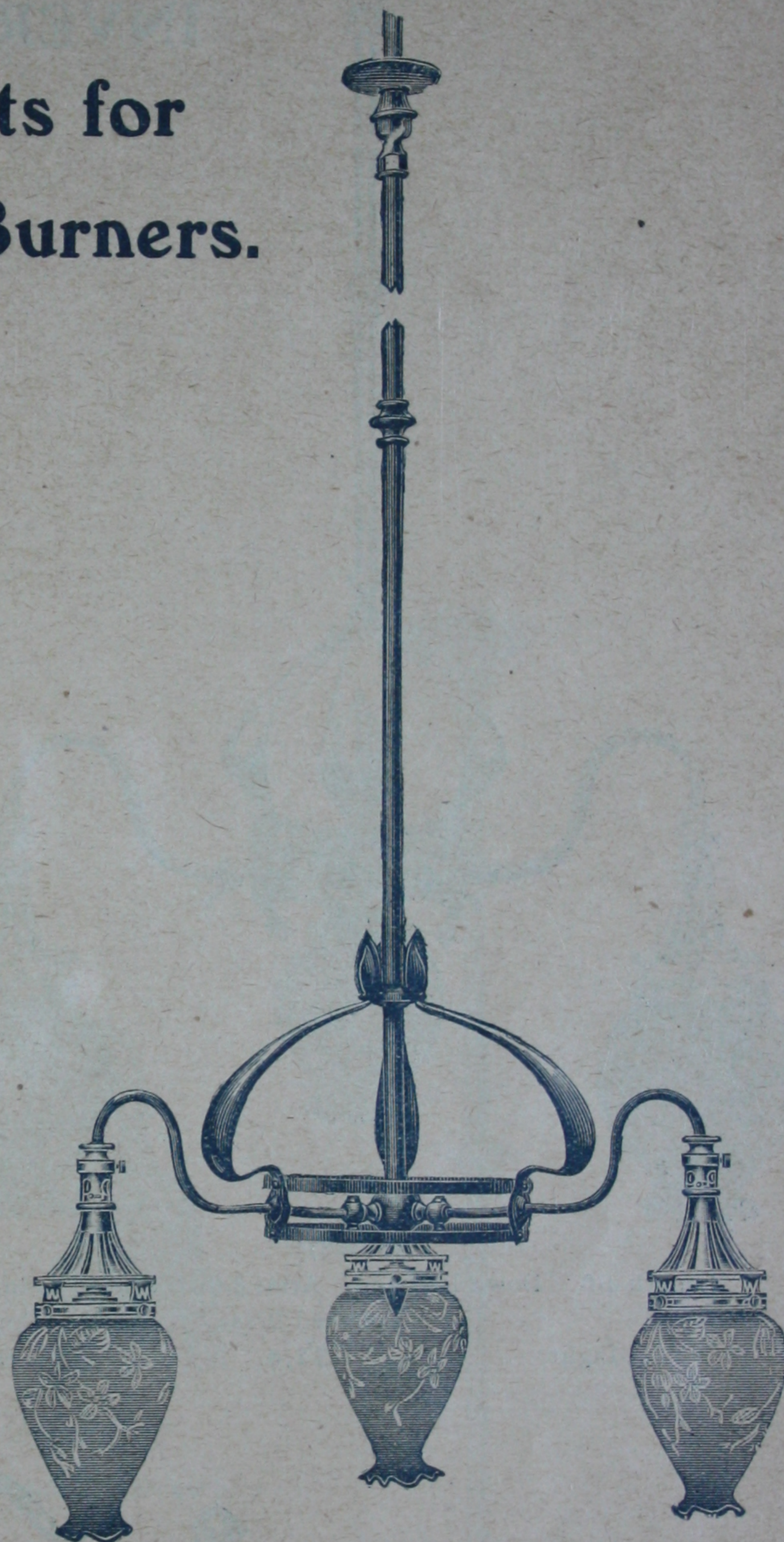
Inverted Pendants for Bijou or Medium Burners.



No. W791.
Length 4-ft. Down Rod $\frac{5}{8}$ -in.
Arms $\frac{5}{16}$ -in. Spread 13-in.
Polished Brass. Antique Copper.
3-Light **22/9** each **24/9** each.



No. W1932.
Length 48-in. Down Rod $\frac{1}{2}$ -in. Arms $\frac{5}{16}$ -in.
Spread 15-in. Hand-wrought Scrolls.
Polished Brass **36/6** each.
Oxydised Copper **40/=** ..



No. W858.
Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{5}{16}$ -in.
Spread 21-in.
Polished Brass. Antique Copper.
3-Light ... **36/=** each. **37/6** each.

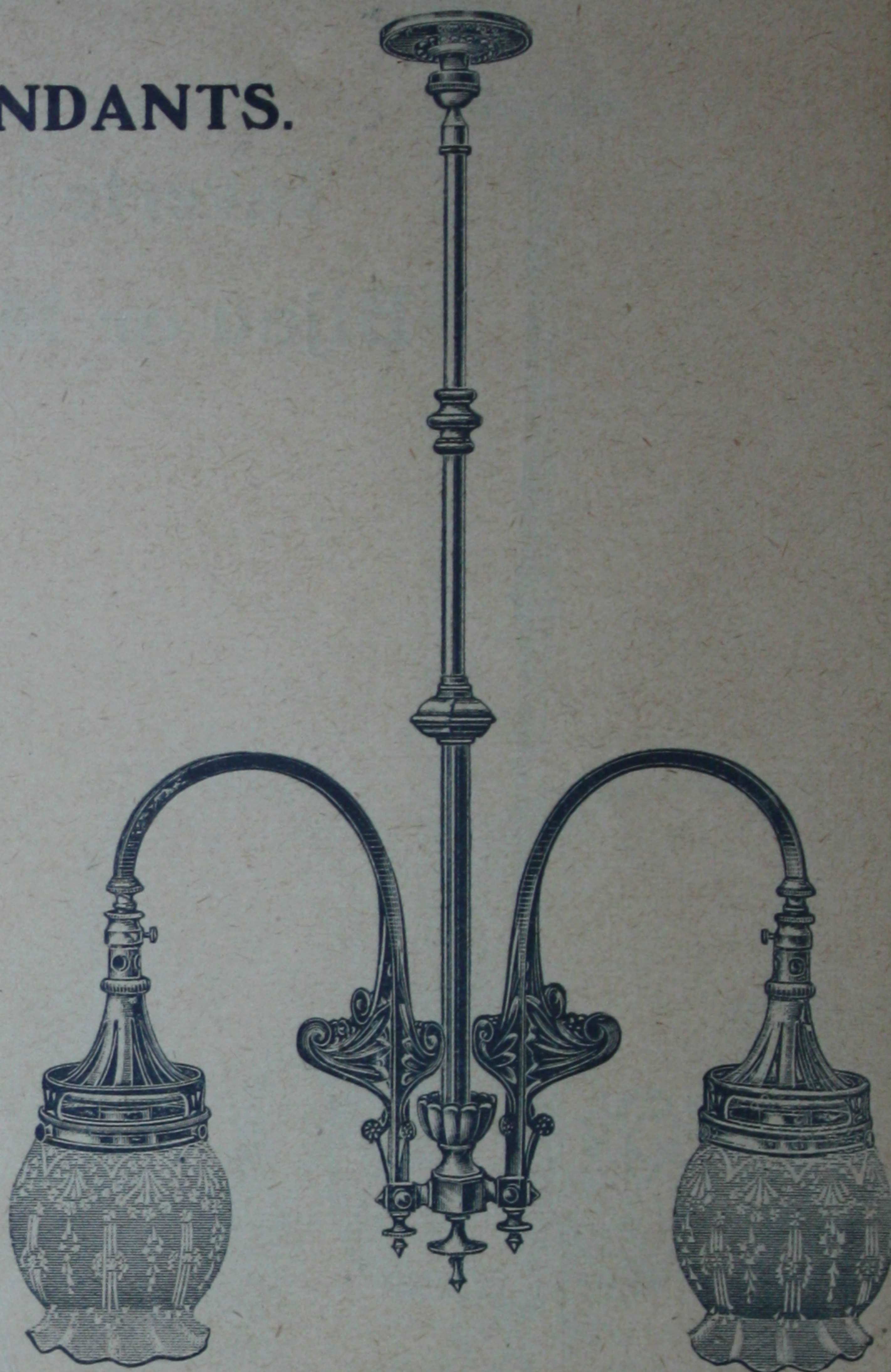
WELSBACH LIGHT

INVERTED PENDANTS.



No. W873.

Length 4-ft. Down Rod $\frac{1}{2}$ -in. Arms $\frac{3}{8}$ -in. Spread 20-in.
 Polished Brass. Antique Copper.
 3-Light 31/6 33/- each.



No. W1933.

Length 48-in. Down Rod $\frac{1}{2}$ -in. Arms $\frac{3}{8}$ -in. Square. Spread 18-in.
 Polished Brass. Oxydised Silver.
 2-Light 34/- 41/- each.



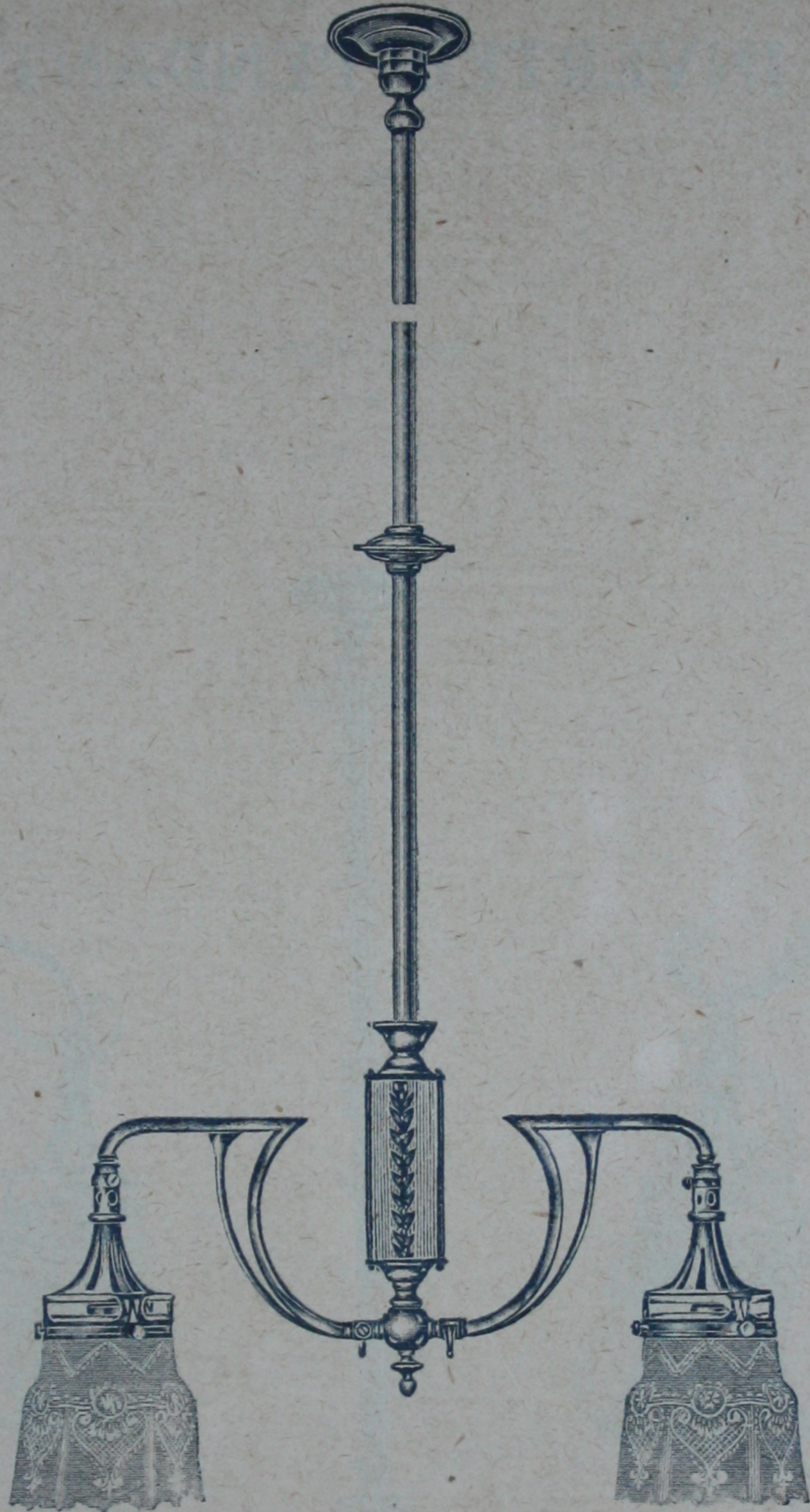
No. W1934.

Length 48-in. Down Rod $\frac{1}{2}$ -in. Arms $\frac{3}{8}$ -in. Square. Spread 21-in.
 Dull Gilt Finish. Oxydised Silver.
 2-Light 37/6 each. 45/- each.
 4-Light 52/6 ,, 63/- ,,

BURNERS AND GLASS EXTRA.

WELSBACH LIGHT

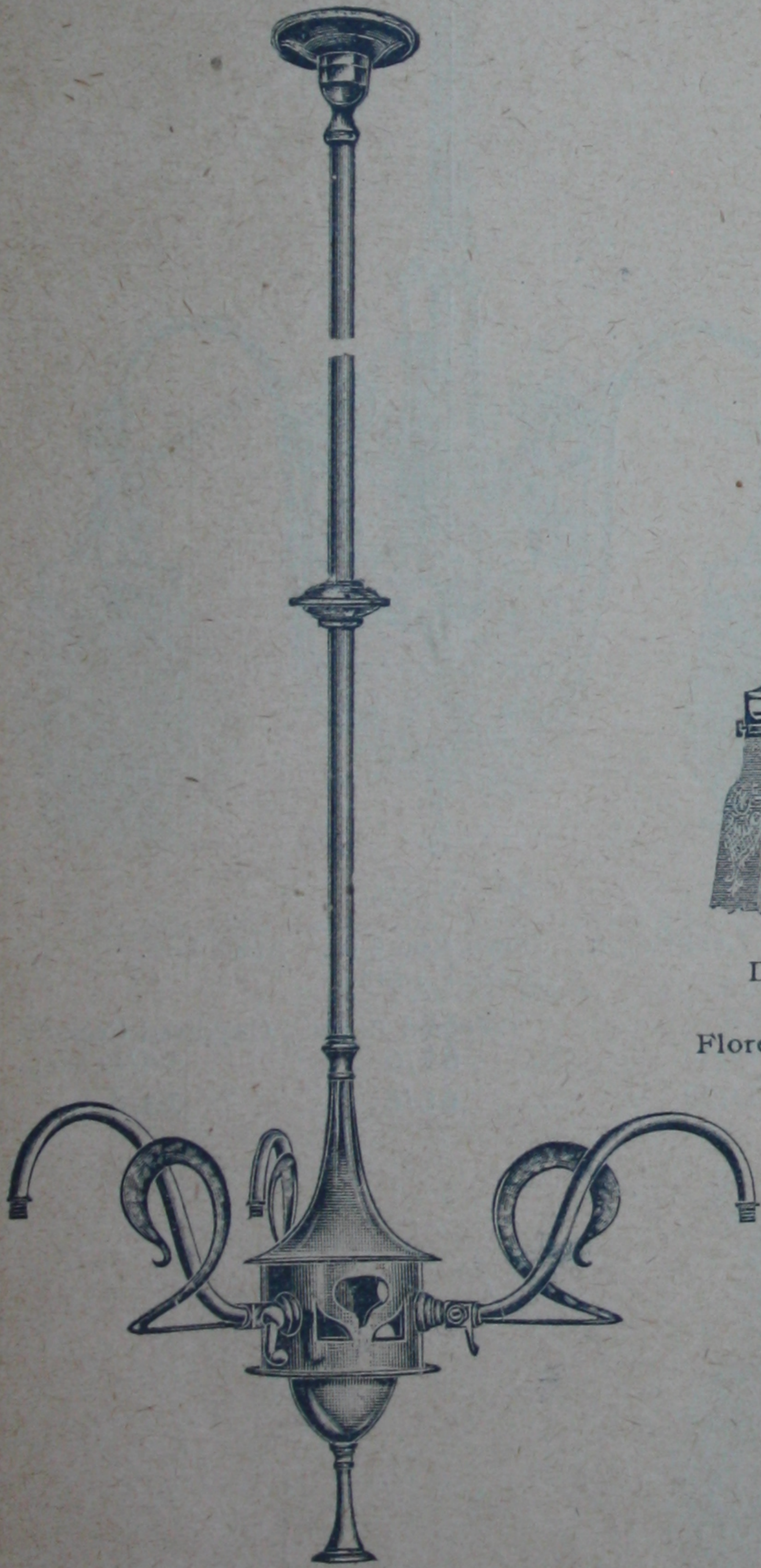
INVERTED PENDANTS.



No. W1937.

Down Rod $\frac{3}{8}$ -in. Arms $\frac{3}{8}$ -in. Square. Length 42-in.
Spread 17-in.

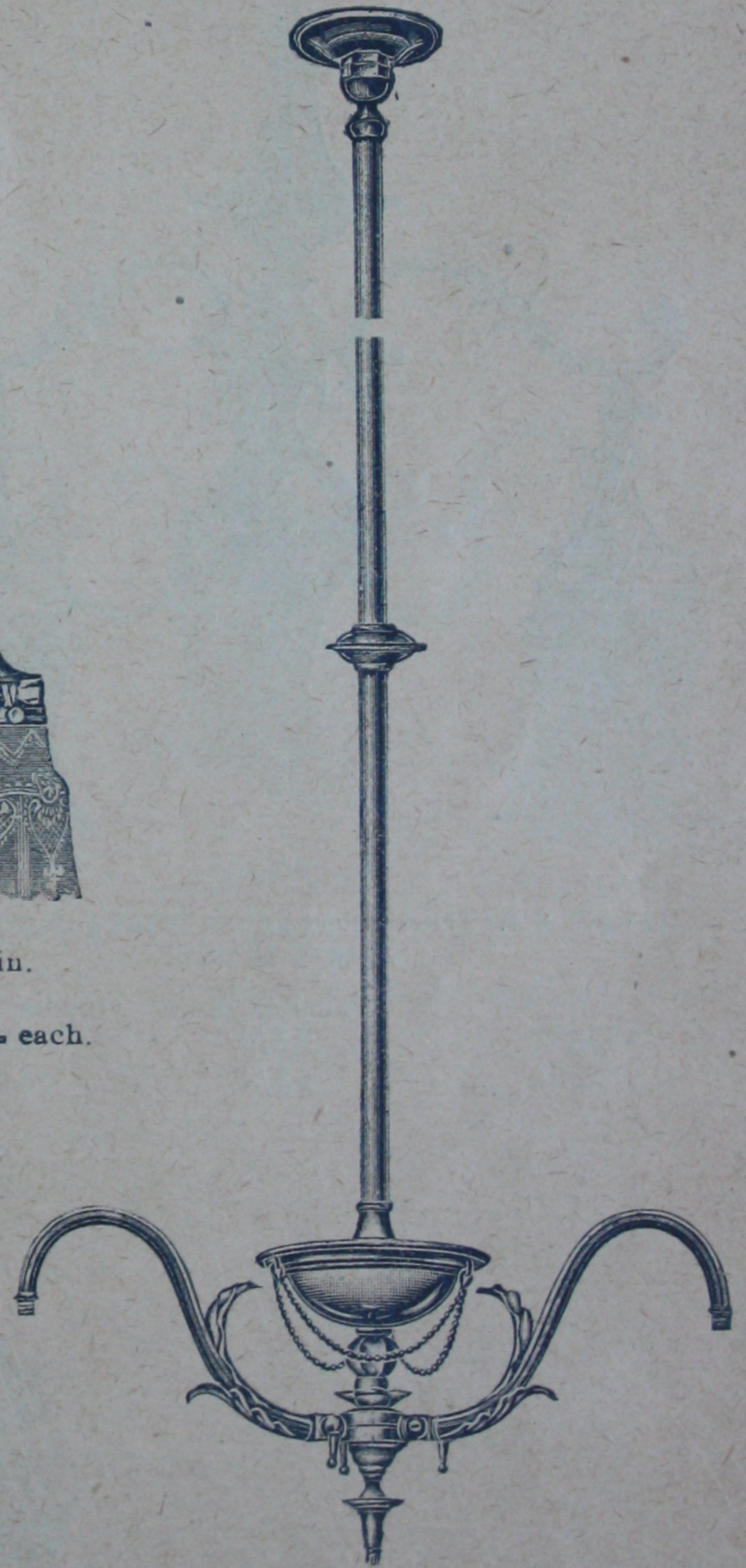
Florentine Bronzed ... 36/6 Polished Brass ... 38/- each.



No. W1938.

Down Rod $\frac{1}{2}$ -in. Arms $\frac{3}{8}$ -in. Length 48-in.
Spread 18-in.

Oxydised Copper ... 44/- each.



No. W1939.

Down Rod $\frac{3}{8}$ -in. Arms $\frac{3}{8}$ -in., Reeded Tube.
Length 48-in. Spread 16-in.

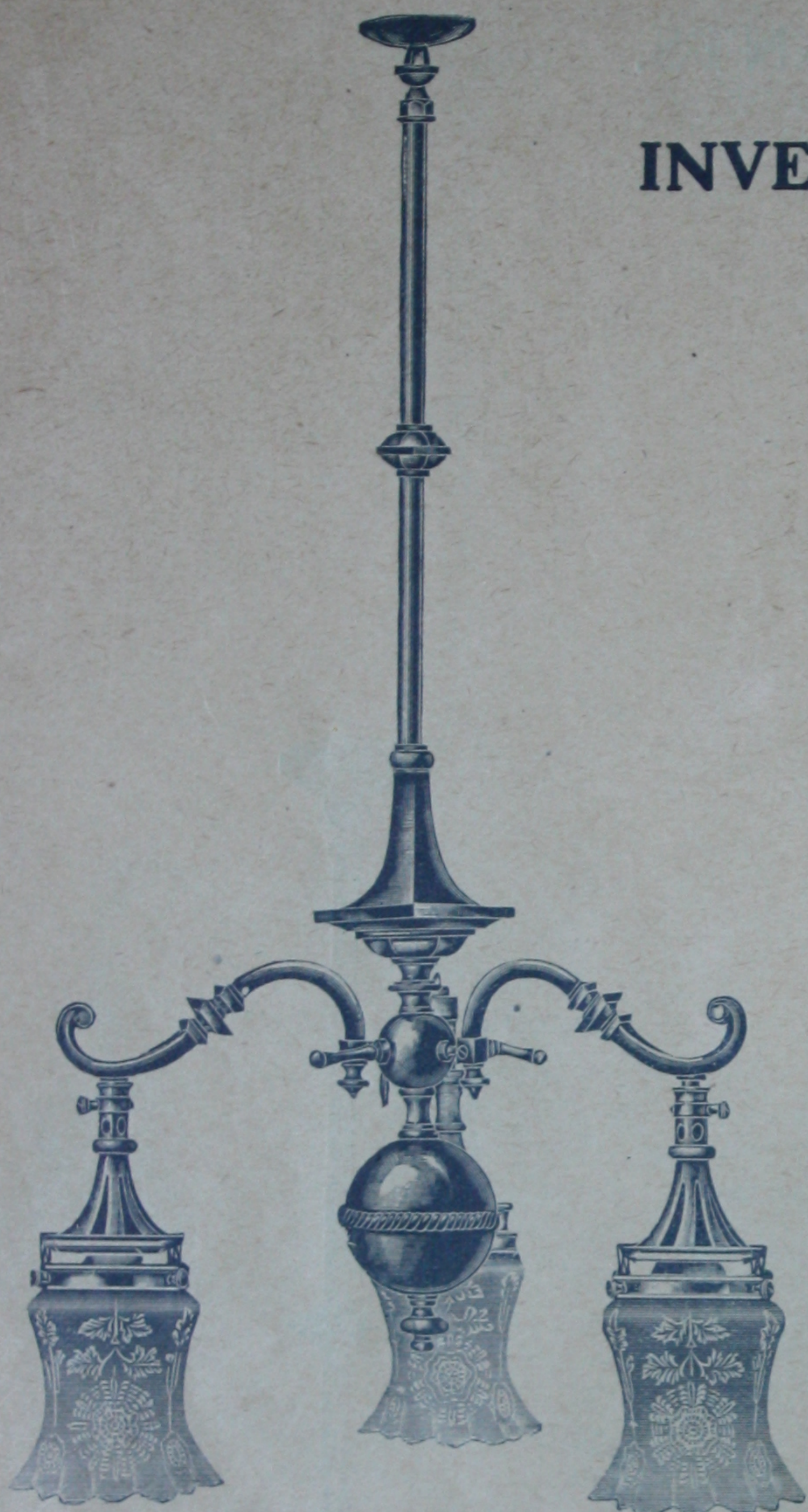
Dull Gilt Finish.

2-Light ... 39/- 3-Light ... 48/- each.

BURNERS AND GLASS EXTRA.

WELSBACH LIGHT

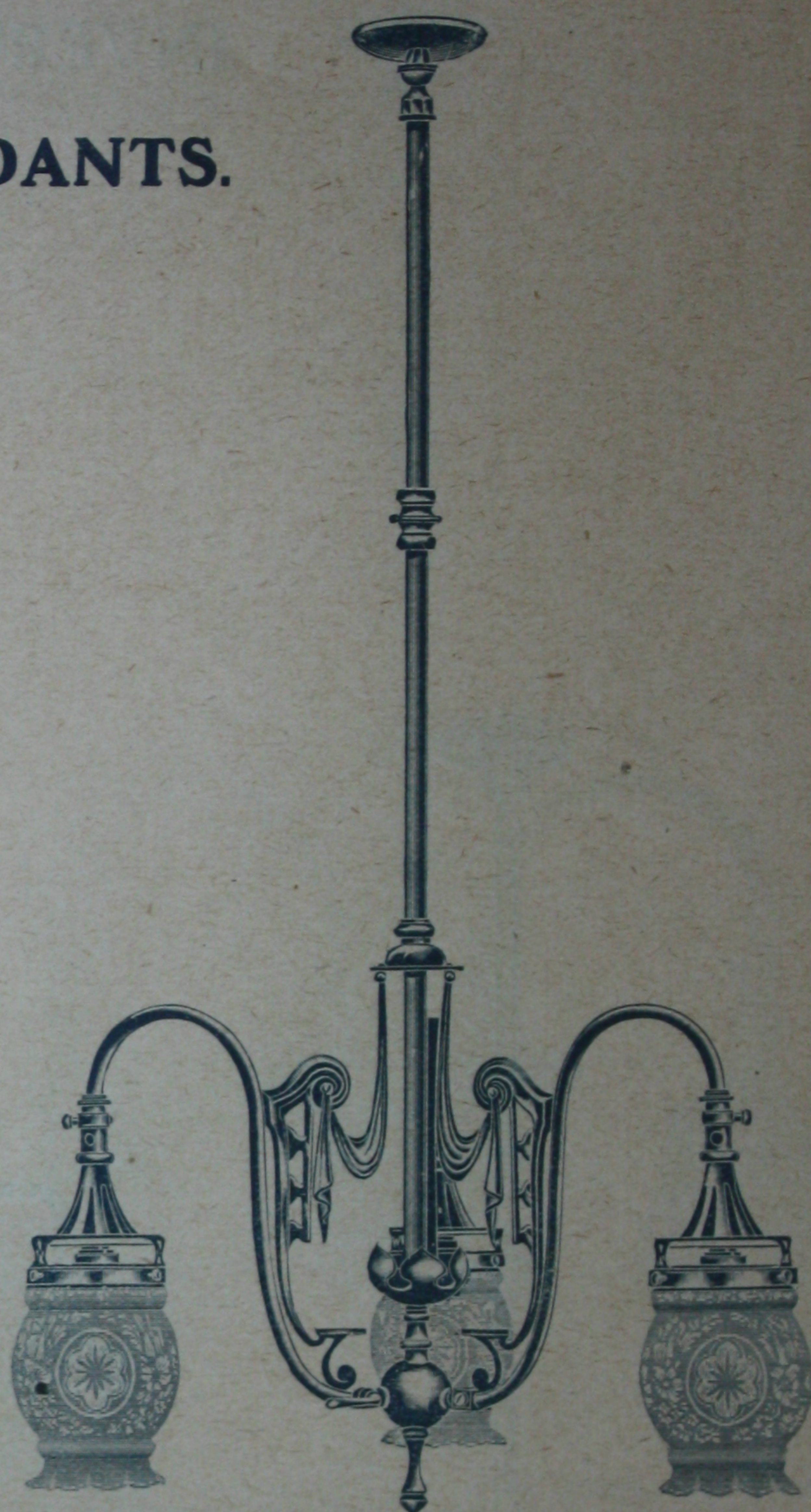
INVERTED PENDANTS.



No. W3528.

Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{3}{8}$ -in. square.
Spread 16-in.

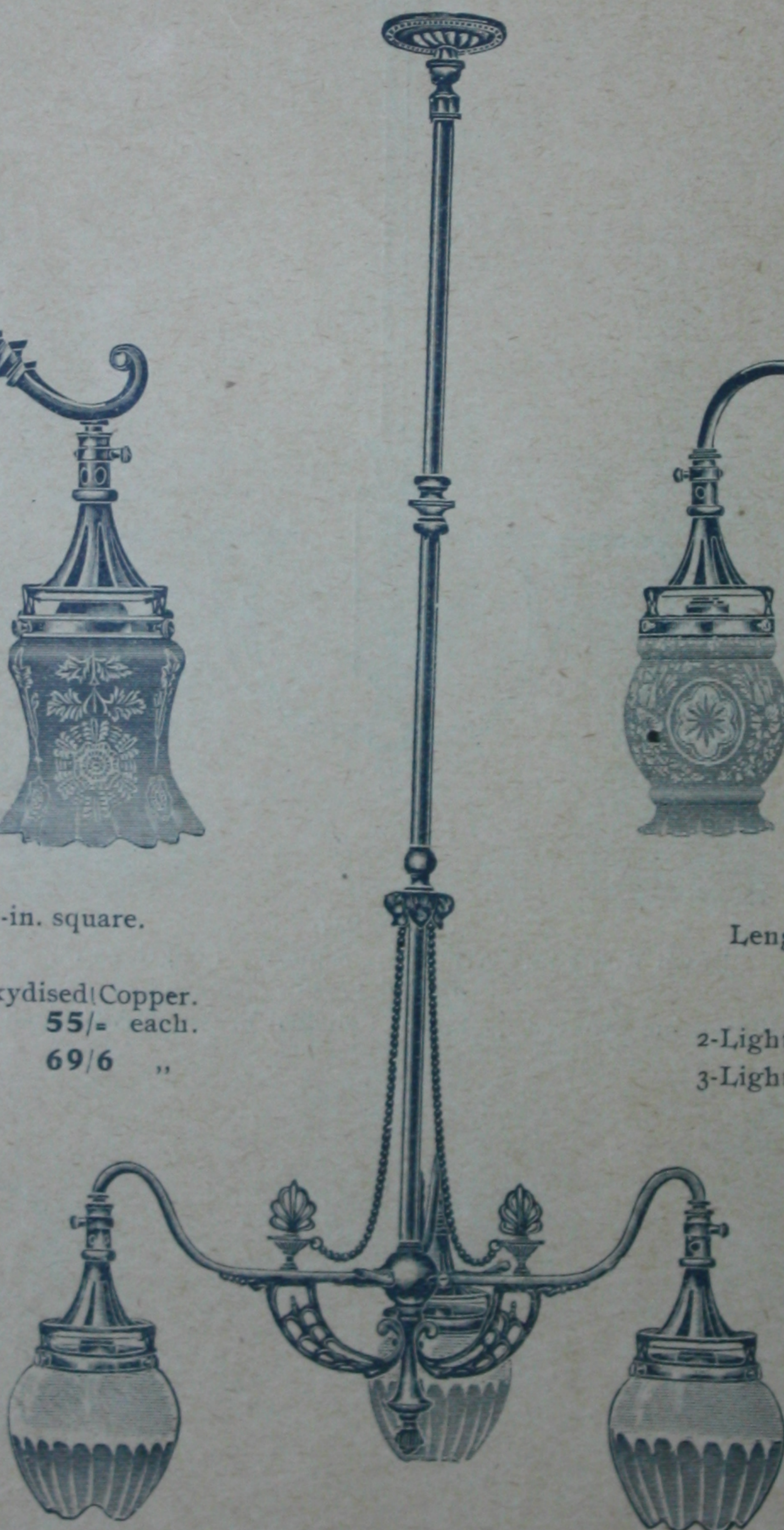
	Polished Brass.	Oxydised Copper.
2 Light	52/6	55/- each.
3-Light	63/-	69/6 "



No. W3529.

Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{3}{8}$ -in.
Spread 18-in.

	Polished Brass.	Oxydised Copper.
2-Light	51/6	54/- each.
3-Light	66/6	73/6 "



No W3527.

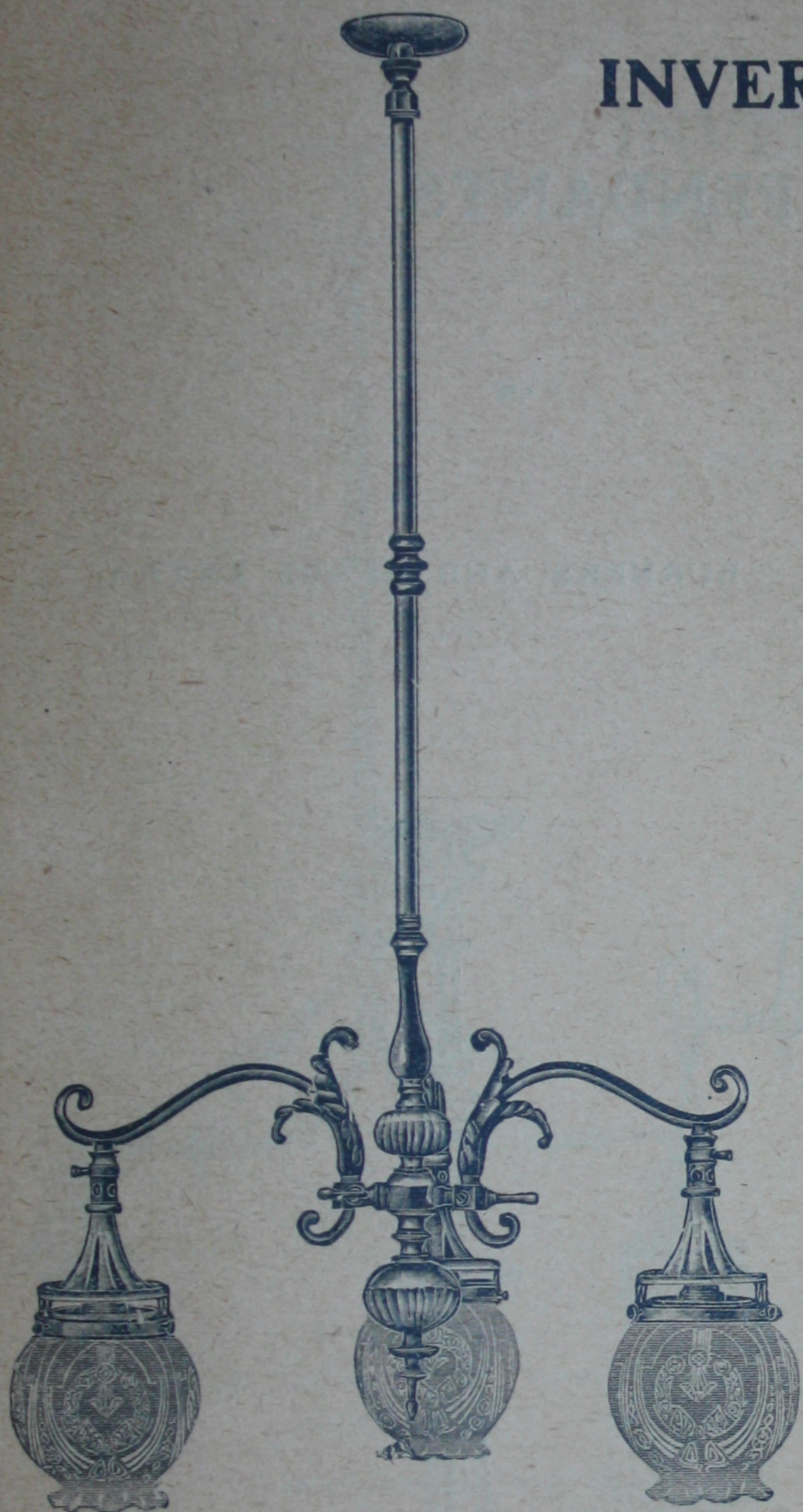
Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{3}{8}$ -in. square.
Spread 19-in.

	Polished Brass.	Oxydised Copper.
2-Light	45/-	57/6 each.
3-Light	57/6	63/6 "

WELSBACH LIGHT

INVERTED PENDANTS.

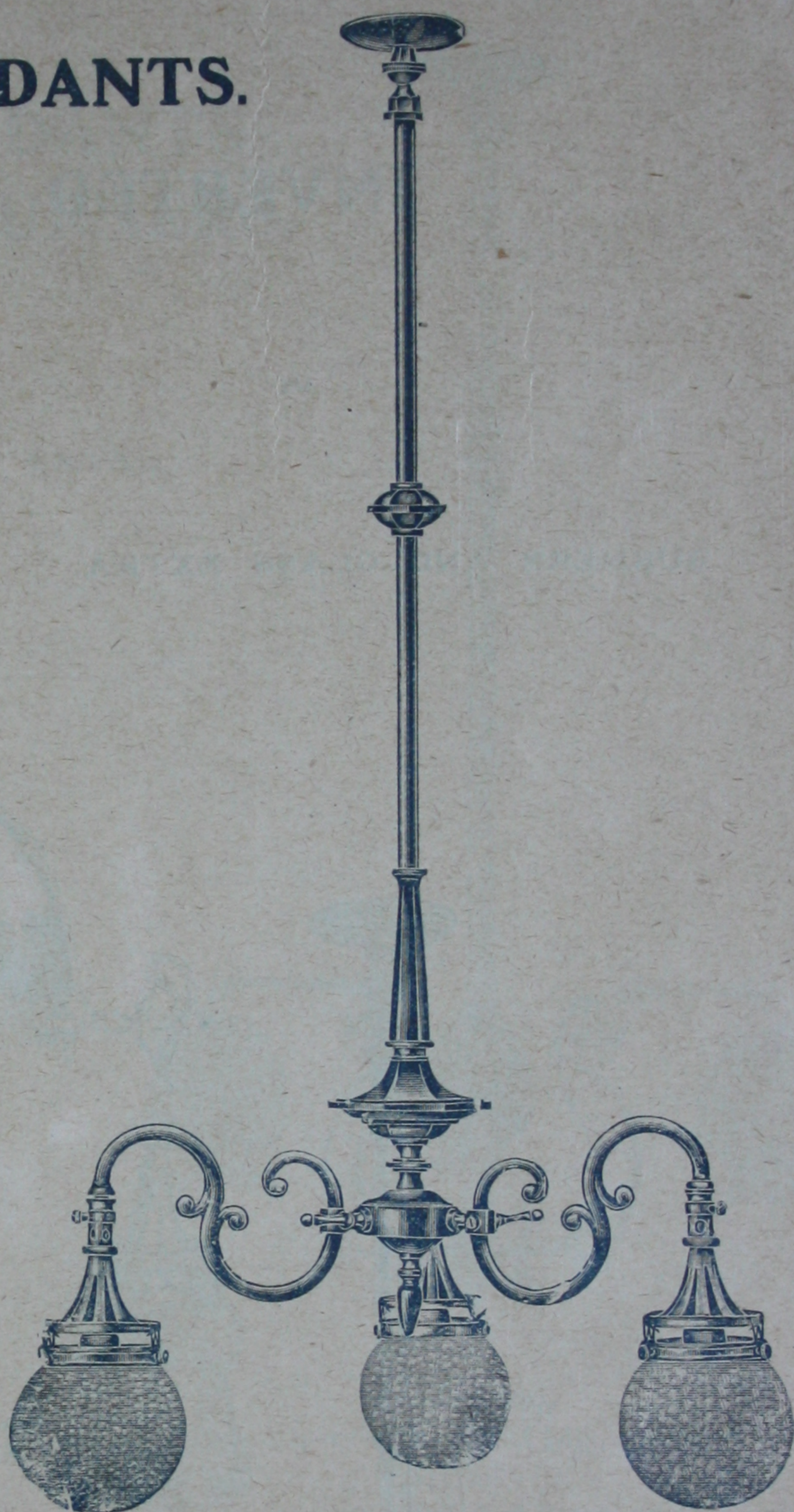
BURNERS
AND
GLASS EXTRA.



No. W3532.

Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{3}{8}$ -in. square.
Spread 18-in.

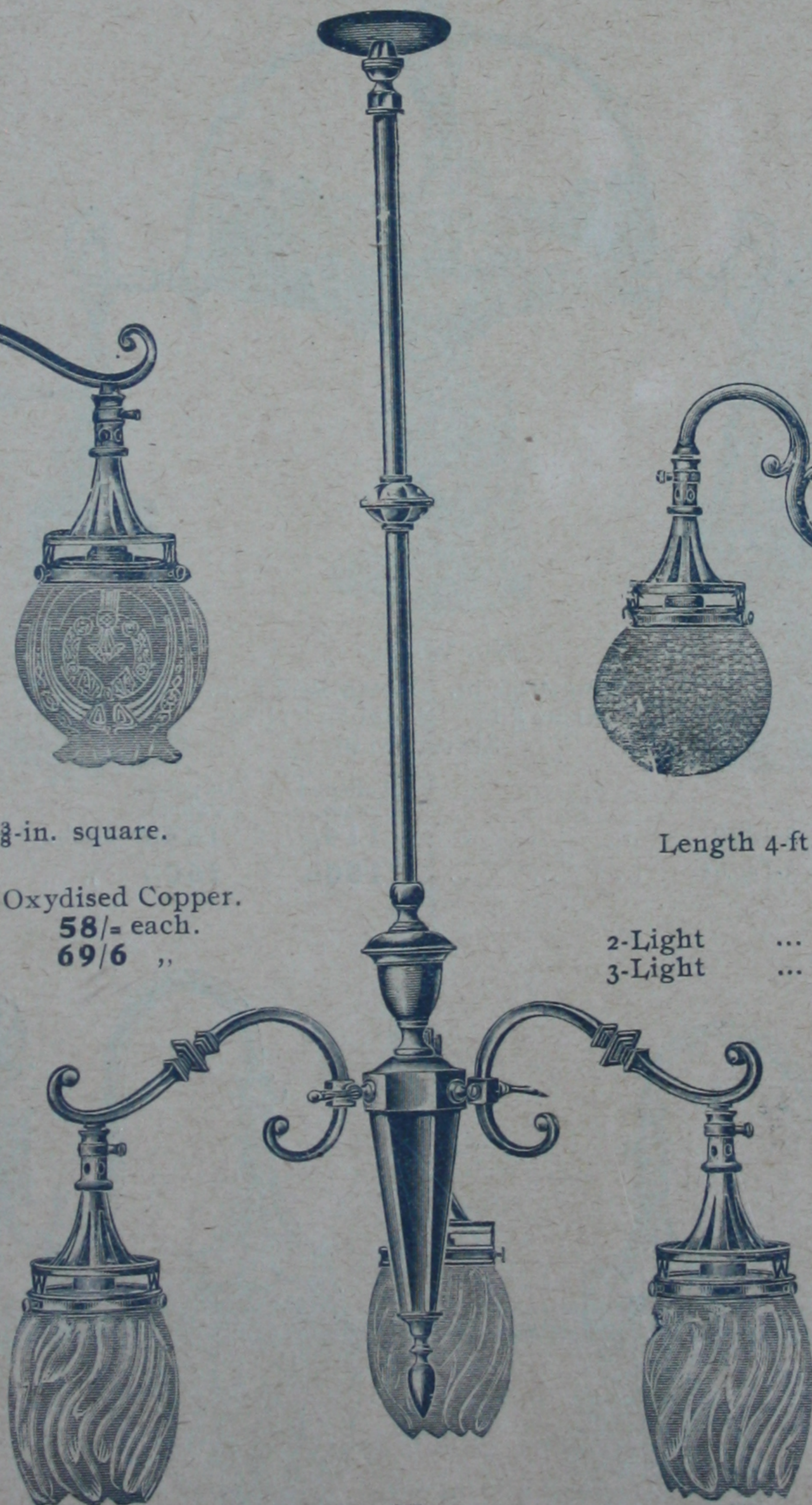
	Polished Brass.	Oxydised Copper.
2-Light	55/6	58/= each.
3-Light	63/=	69/6 „



No. W3530.

Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{3}{8}$ -in. square.
Spread 18-in.

	Polished Brass.	Oxydised Copper.
2-Light	57/=	59/= each.
3-Light	70/6	77/6 „



No. W3533.

Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{3}{8}$ -in. square.
Spread 18-in.

	Polished Brass.	Oxydised Copper.
2-Light	55/6	57/= each.
3-Light	67/6	74/6 „

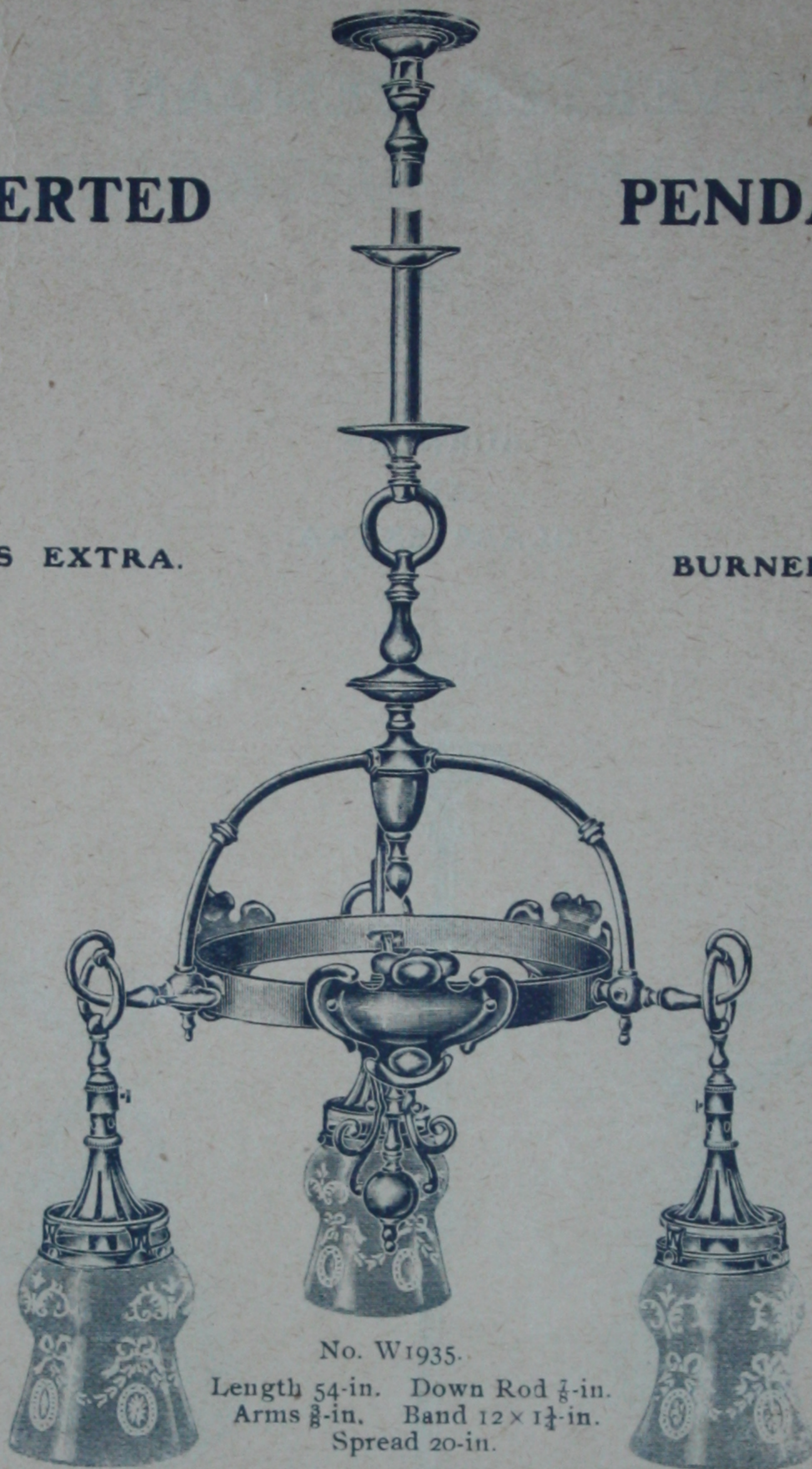
WELSBACH LIGHT

INVERTED

PENDANTS.

BURNERS AND GLASS EXTRA.

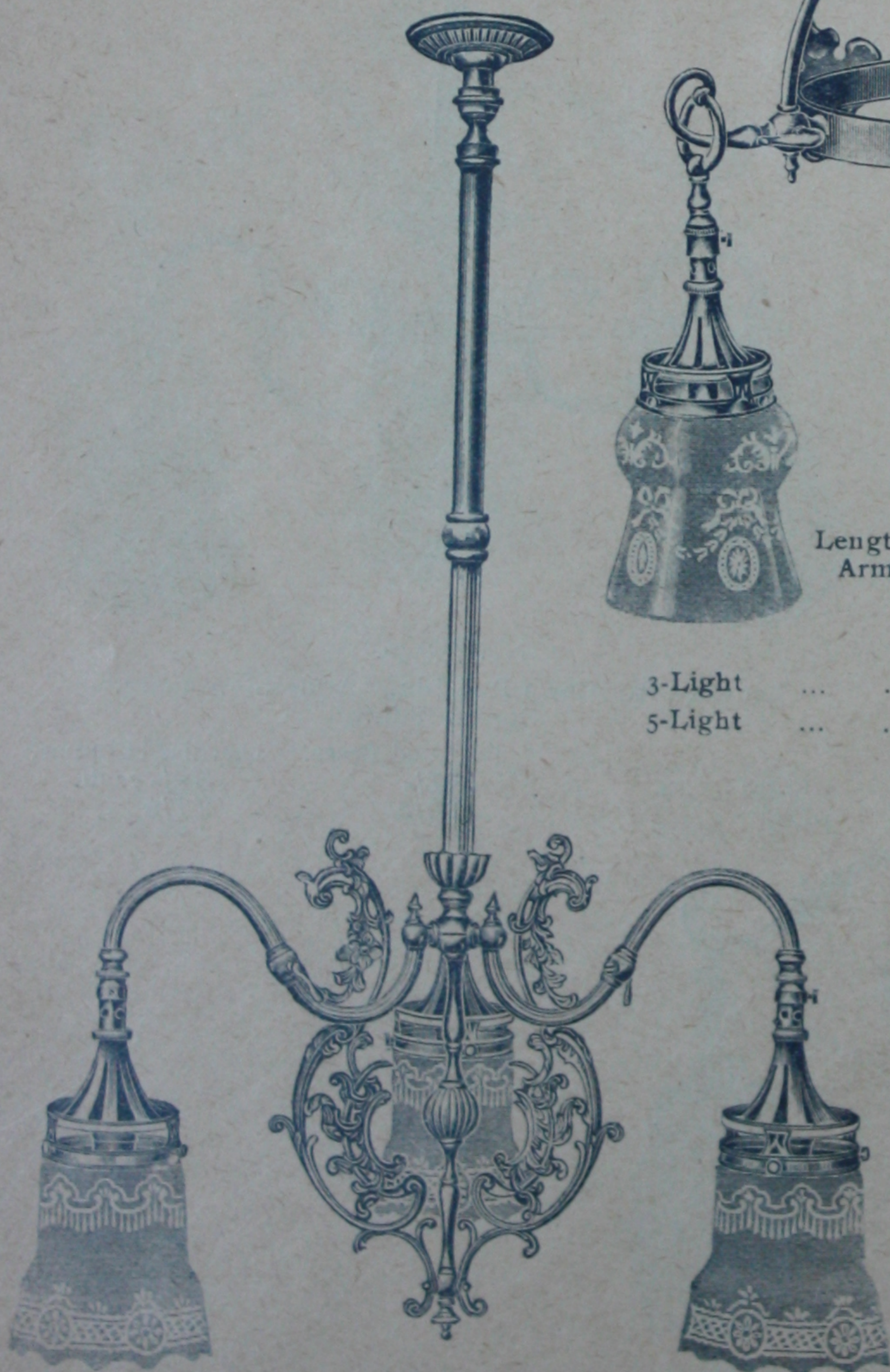
BURNERS AND GLASS EXTRA.



No. W1935.

Length 54-in. Down Rod $\frac{7}{8}$ -in.
Arms $\frac{3}{4}$ -in. Band $12 \times 1\frac{1}{4}$ -in.
Spread 20-in.

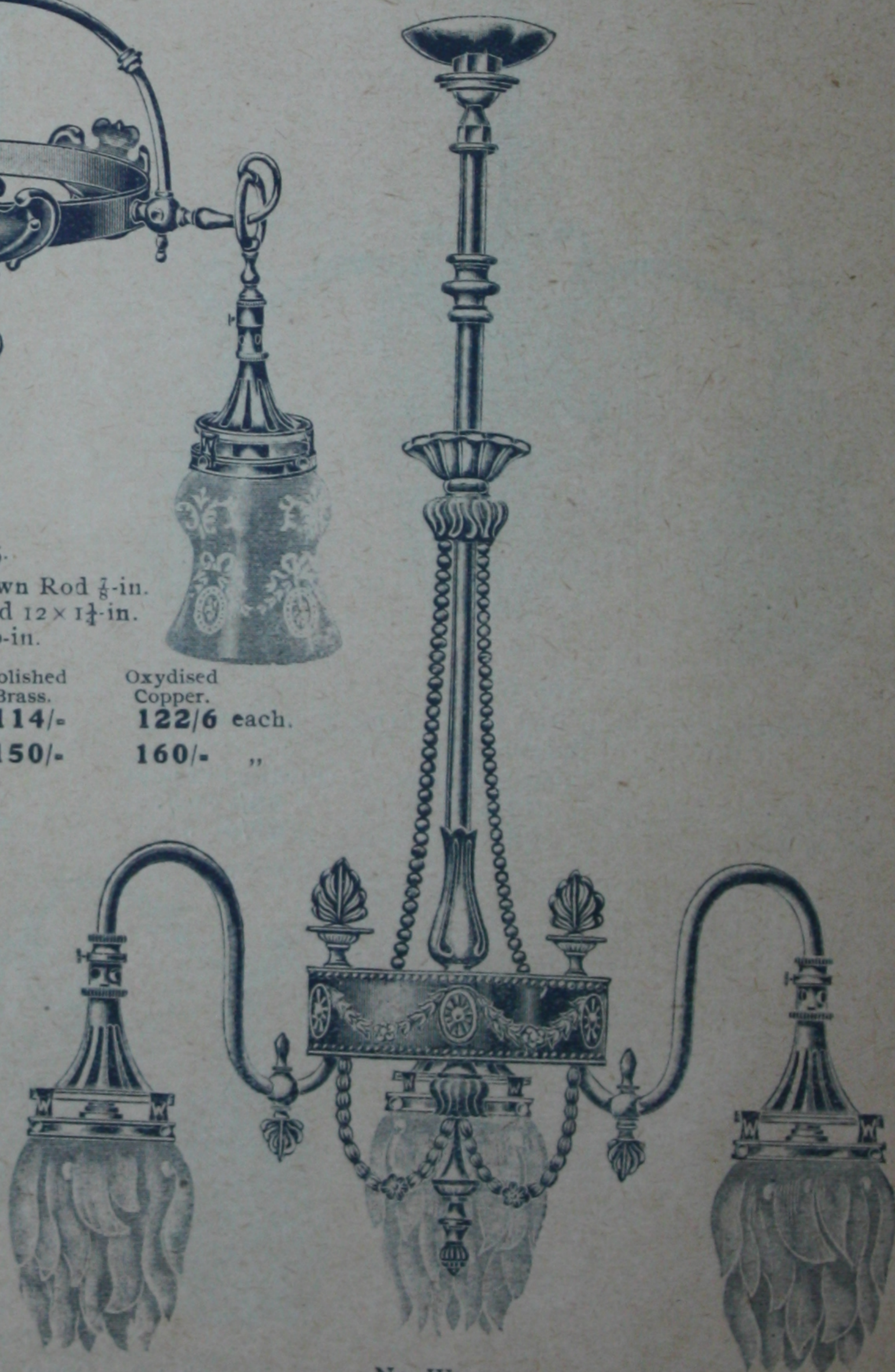
			Polished Brass.	Oxydised Copper.
3-Light	...	...	114/-	122/6 each.
5-Light	...	...	150/-	160/- "



No. W2103.

Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{3}{4}$ -in. Reeded.
Spread 20-in.

			Polished Brass.	Antique Copper.
3-Light	...	...	44/-	48/6 each.



No. W2072.

Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{3}{4}$ -in. Spread 20-in.

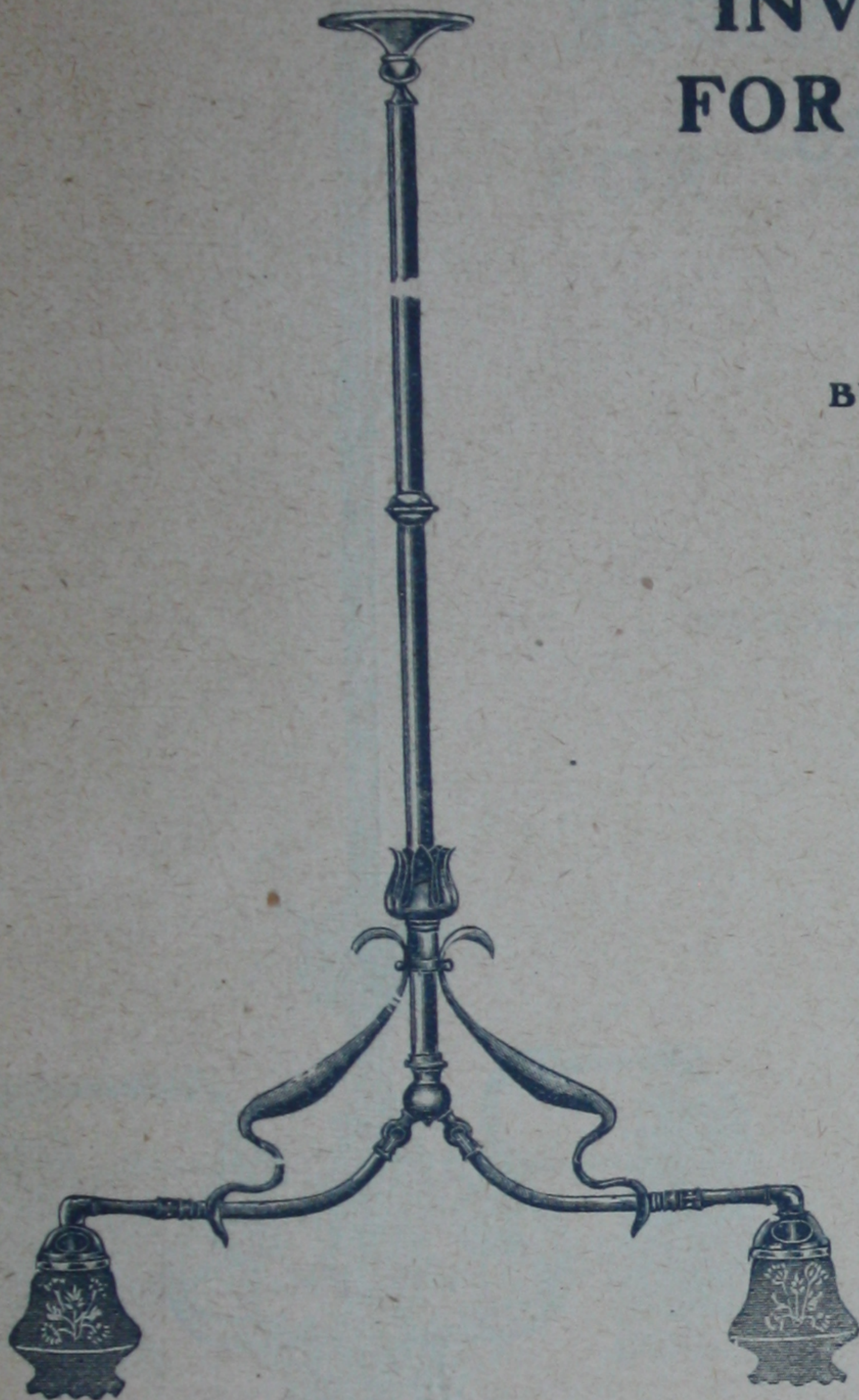
			Polished Brass.	Antique Copper.
3-Light	...	...	82/-	85/- each.
5-Light	...	...	140/-	150/- "

WELSBACH LIGHT

INVERTED PENDANTS FOR ANGLE BURNERS.



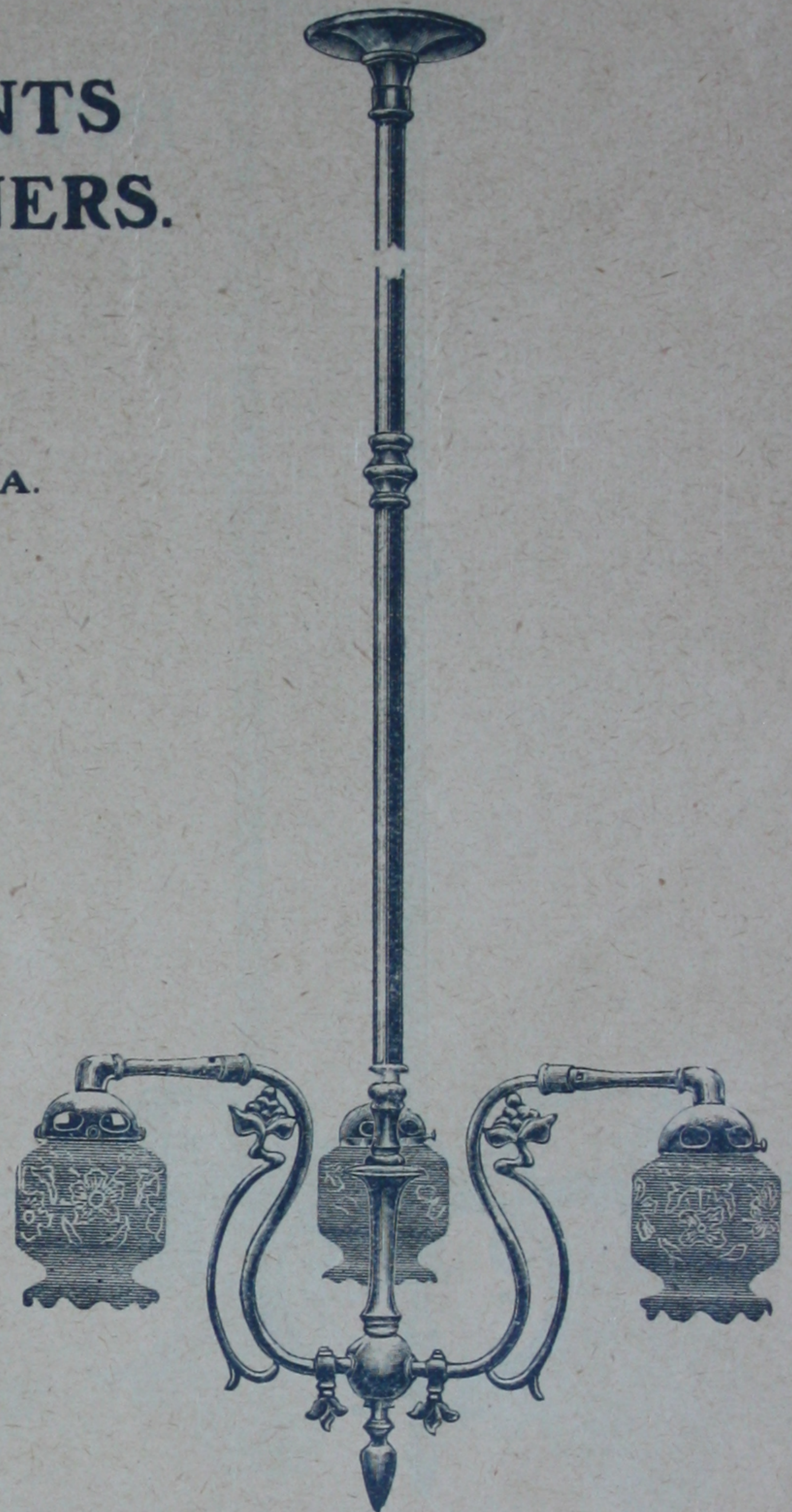
BURNERS AND GLASS EXTRA.



No. W2024.

Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{3}{8}$ -in.
Spread 12-in.

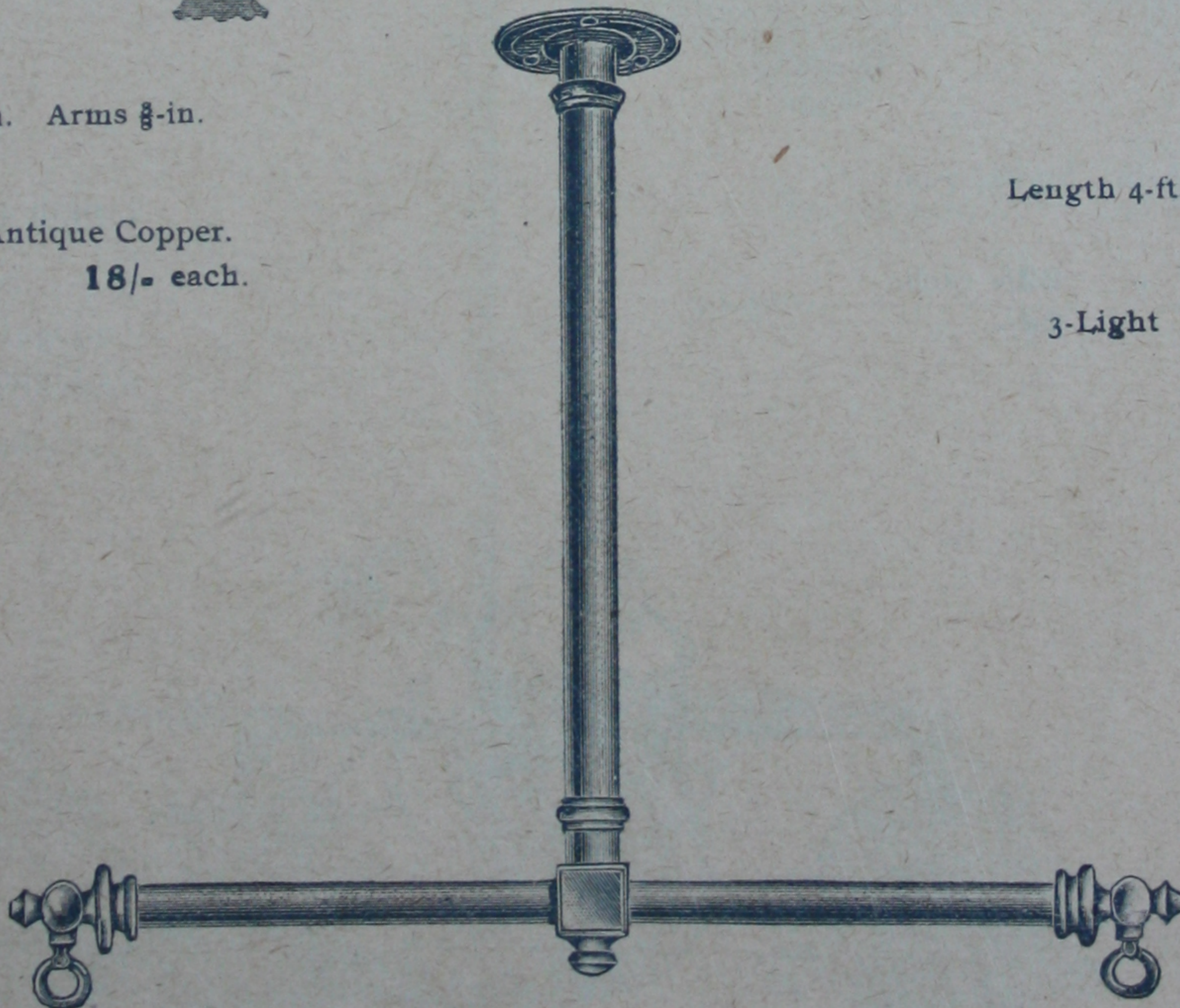
Polished Brass. Antique Copper.
2-Light ... **16/6** **18/-** each.



No. W890.

Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{5}{16}$ -in.
Spread 7-in.

Polished Brass. Antique Copper.
3-Light ... **22/-** **24/-** each.



No. W1936.

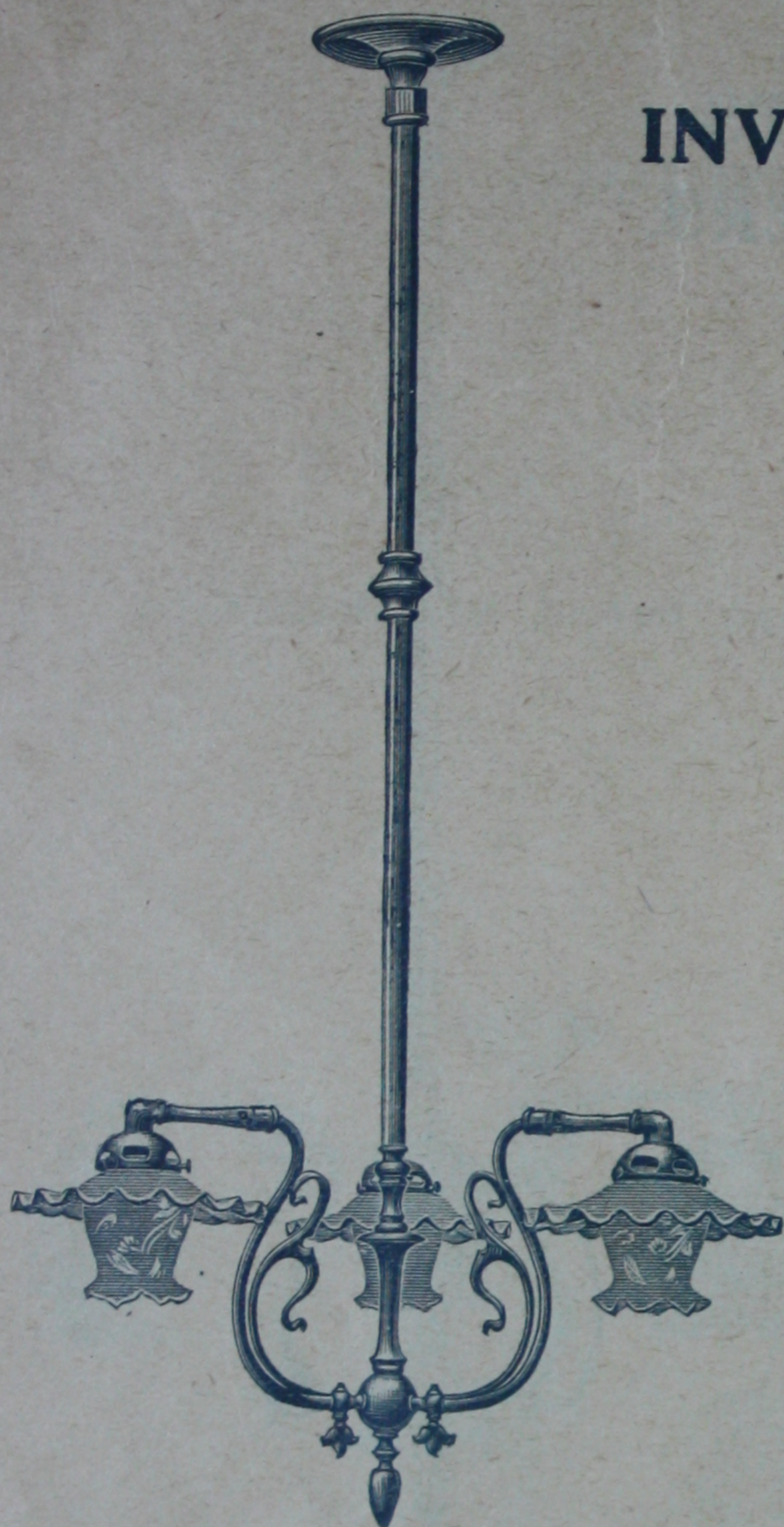
Tee Pendants 3-ft. 6-in. x 3-ft. Spread.

		Stiff. With Ball Joint.	
Lacquered or Steel	Bronzed $\frac{3}{4}$ -in. x $\frac{5}{8}$ -in. ...	13/-	16/- each.
"	" " 1-in. x $\frac{3}{4}$ -in. ...	16/9	20/3 "
"	" " 1 $\frac{1}{4}$ -in. x 1-in. ...	22/-	26/- "
"	" " 1 $\frac{1}{2}$ -in. x 1 $\frac{1}{4}$ -in. ...	30/-	34/6 "

WELSBACH LIGHT

INVERTED PENDANTS FOR ANGLE BURNERS.

BURNERS AND GLASS EXTRA.

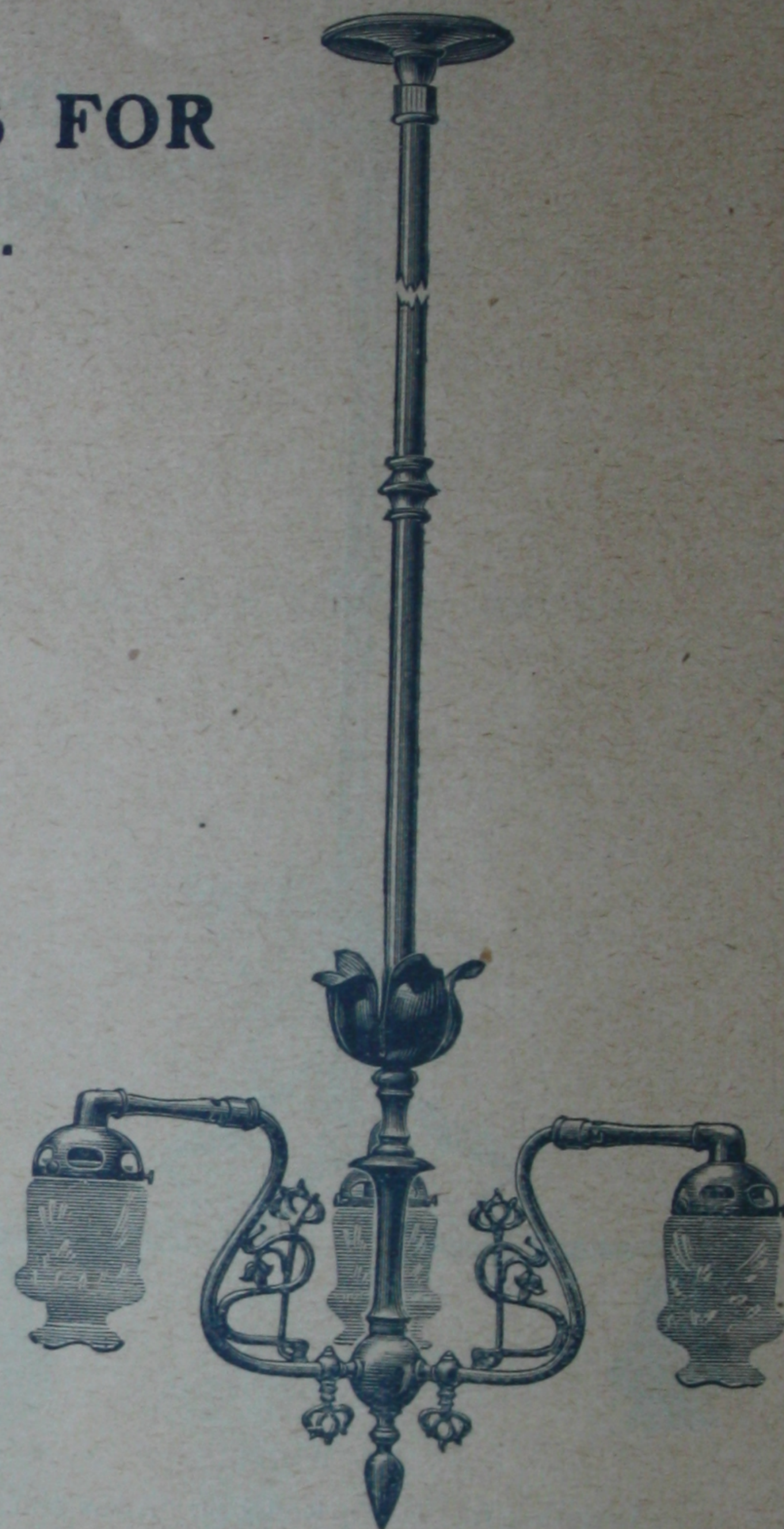


No. W889.

Length 4-ft., Down Rod $\frac{5}{8}$ -in., Arms $\frac{5}{16}$ -in., Spread 7-in.

3-Light.

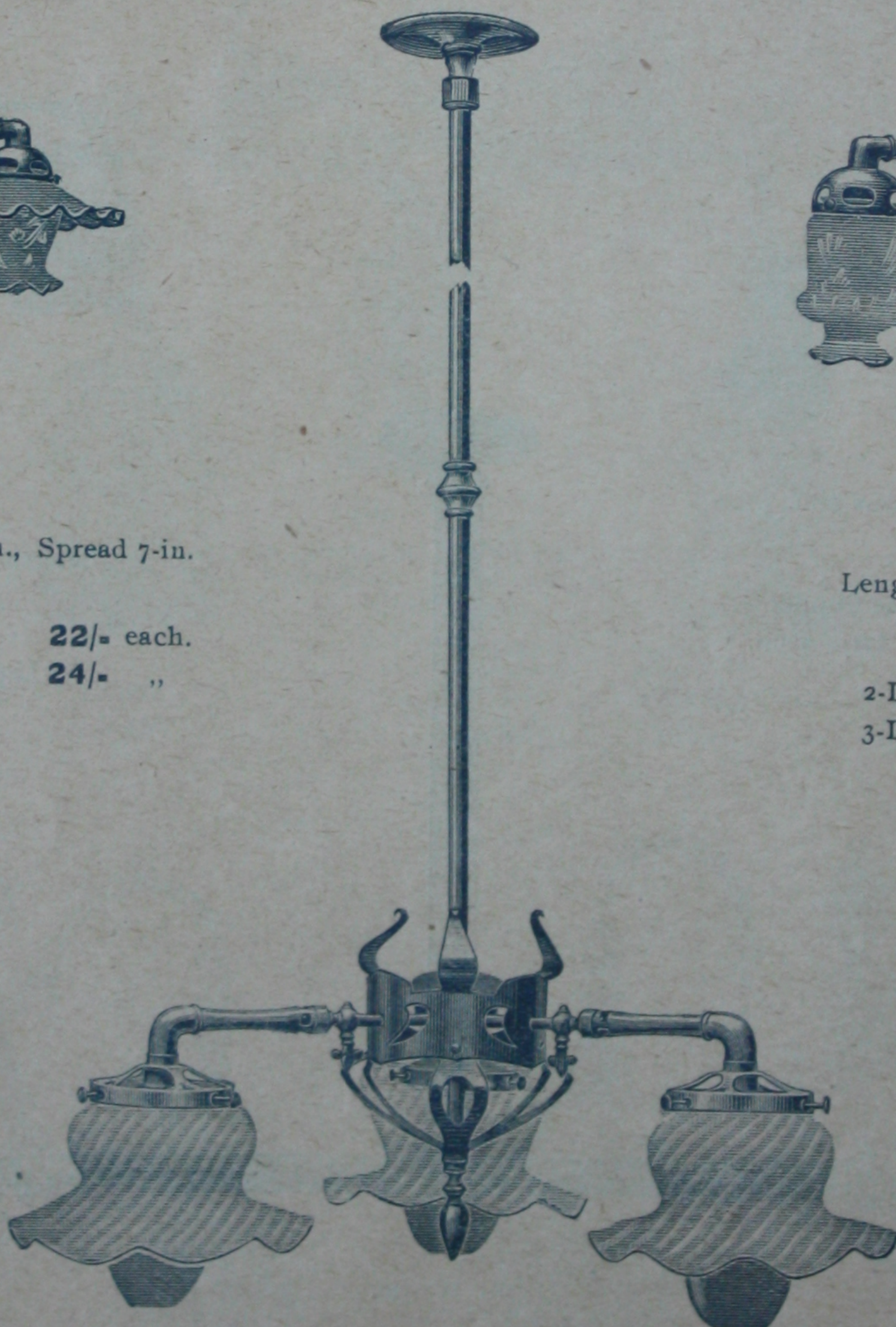
Polished Brass	...	...	...	22/-	each.
Antique Copper	...	...	...	24/-	"



No. W893.

Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{5}{16}$ -in.
Spread 7-in.

		Polished Brass.	Antique Copper.
2-Light	...	19/-	21/- each.
3-Light	...	24/-	26/- "



No. W891.

Length 4-ft. Down Rod $\frac{1}{2}$ -in. Arms $\frac{5}{16}$ -in.
Spread 8-in.

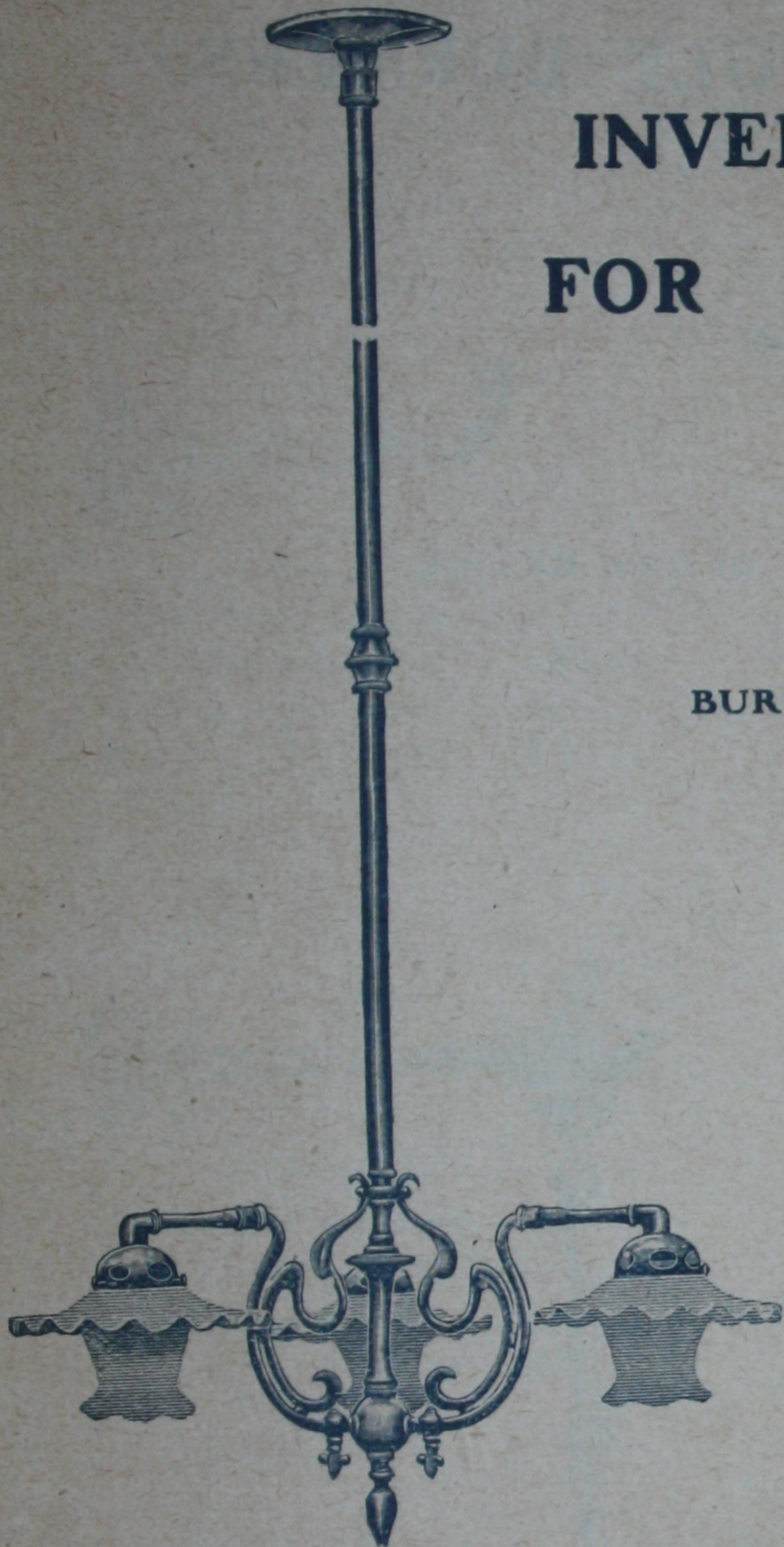
3-Light.

Antique Copper	...	...	...	28/-	each.
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WELSBACH LIGHT

INVERTED PENDANTS FOR ANGLE BURNERS.

BURNERS AND GLASS EXTRA.



No. W892.

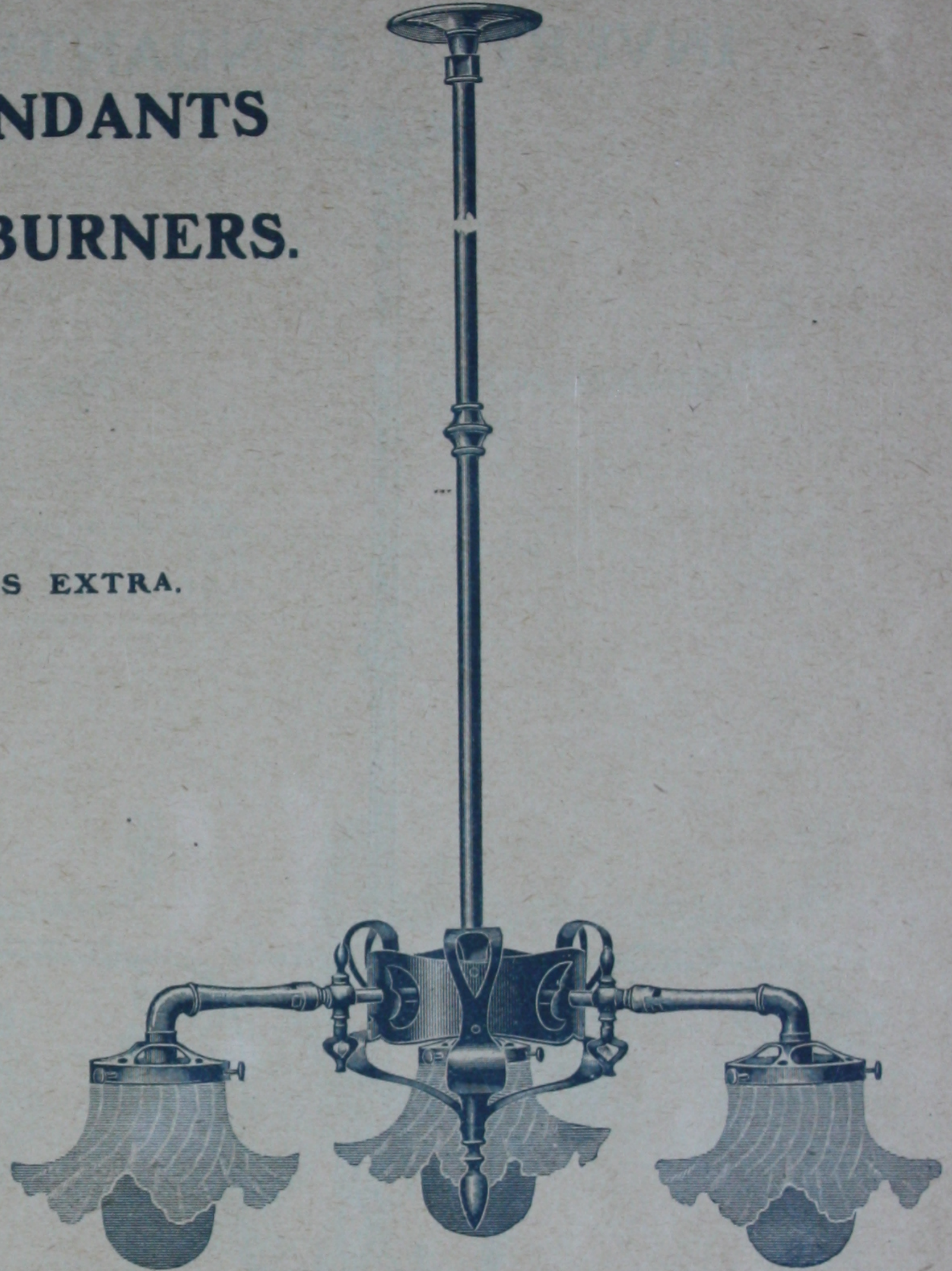
Length 4-ft. Down Rod $\frac{5}{8}$ -in.

Arms $\frac{5}{16}$ -in. Spread 7-in.

3-Light.

Polished Brass 26/= each.

Antique Copper... .. 28/= „



No. W881.

Length 4-ft., Down Rod $\frac{5}{8}$ -in., Arms $\frac{3}{8}$ -in., Spread 10-in.

				Polished Brass.	Antique Copper.
3-Light	...	...	...	33/9	35/6 each.



No. W882.

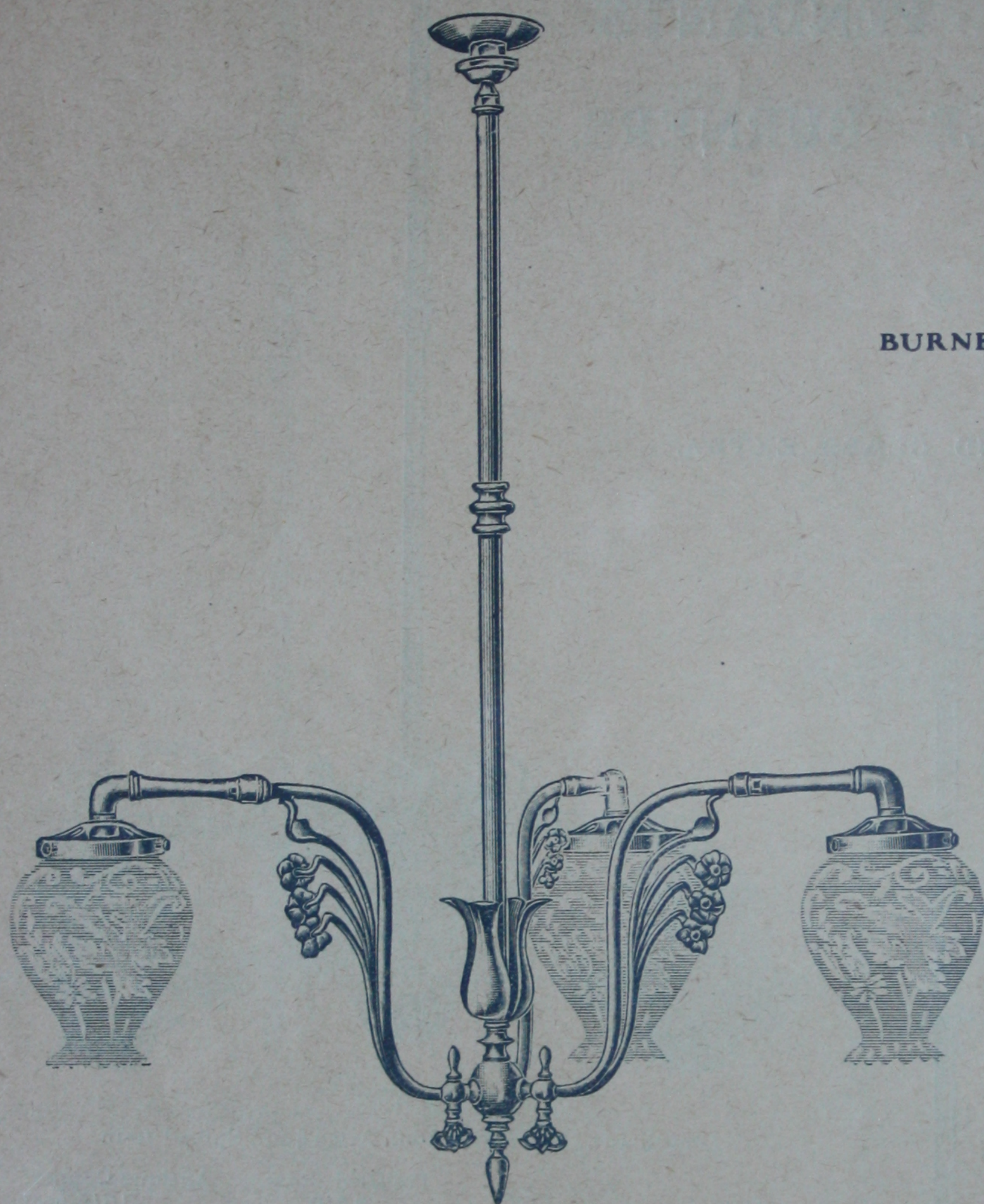
Length 4-ft. Down Rod $\frac{5}{8}$ -in. Arms $\frac{3}{8}$ -in. Spread 11-in.

				Polished Brass.	Antique Copper.
3-Light	...	...	...	38/=	40/= each.

WELSBACH LIGHT

INVERTED PENDANTS FOR ANGLE BURNERS.

BURNERS AND GLASS EXTRA.

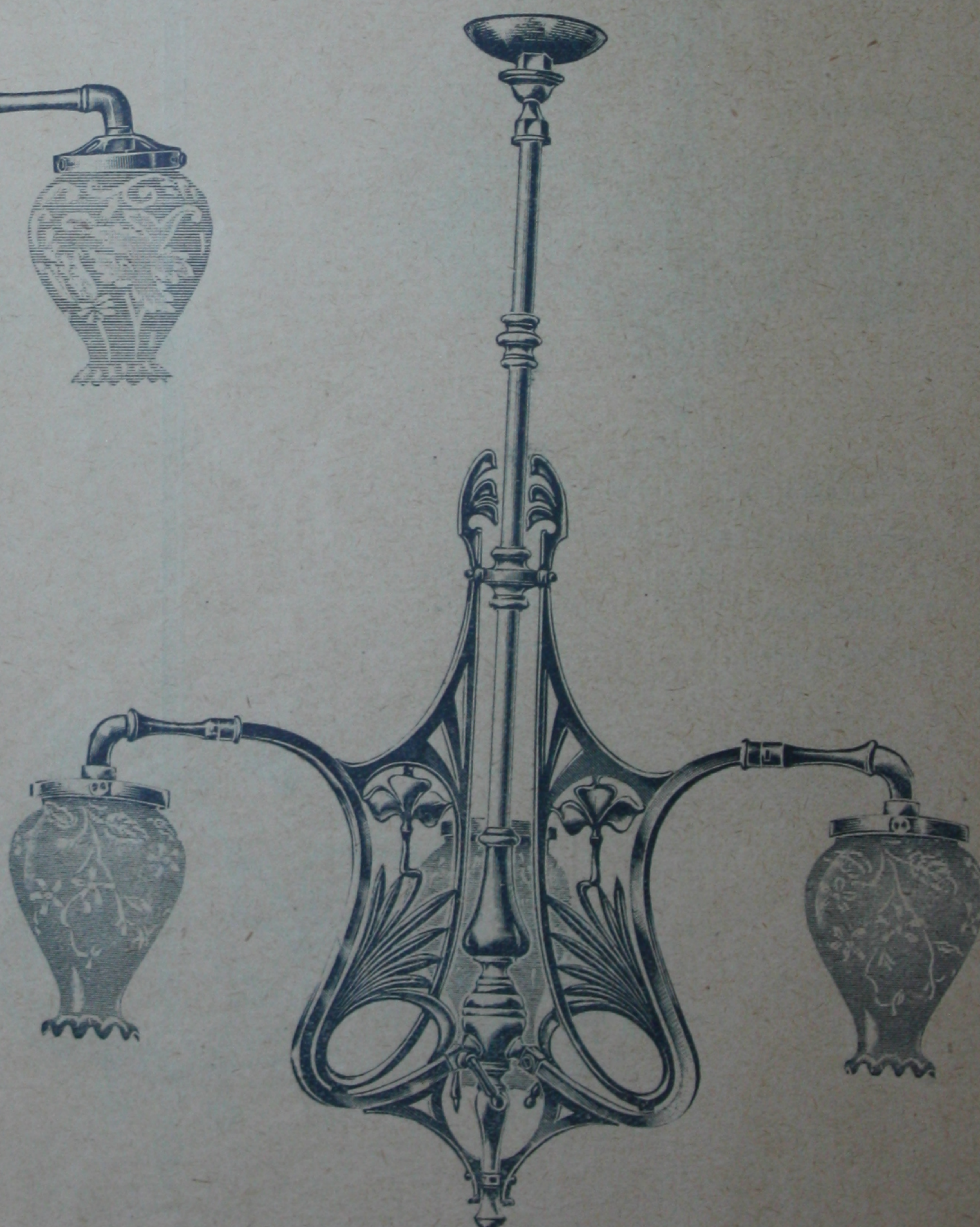


No. W2040.

Length 4-ft. Down Rod $\frac{3}{8}$ -in.

Arms $\frac{3}{8}$ -in. Spread 14-in.

	Polished Brass.	Antique Copper.
2-Light ...	23/6	24/6 each.
3-Light ...	29/6	—



No. W2068.

Length 4-ft. Down Rod $\frac{3}{8}$ -in. Arms $\frac{3}{8}$ -in. square. Spread 16 $\frac{1}{2}$ -in.

3-Light—Polished Brass 90/-

Antique Copper 92/6 each.

WELSBACH LIGHT

BRASS BRACKETS.



No. W843. Stiff.

Steel Bronzed or Lacquered.

Back 2-in. diam.	$\frac{3}{8}$ -in. x 6-in.	12/- doz.
" 2 $\frac{1}{2}$ -in.	" $\frac{1}{2}$ -in. x 8-in.	15/- "
" 2 $\frac{1}{2}$ -in.	" $\frac{3}{8}$ -in. x 9-in.	25/- "



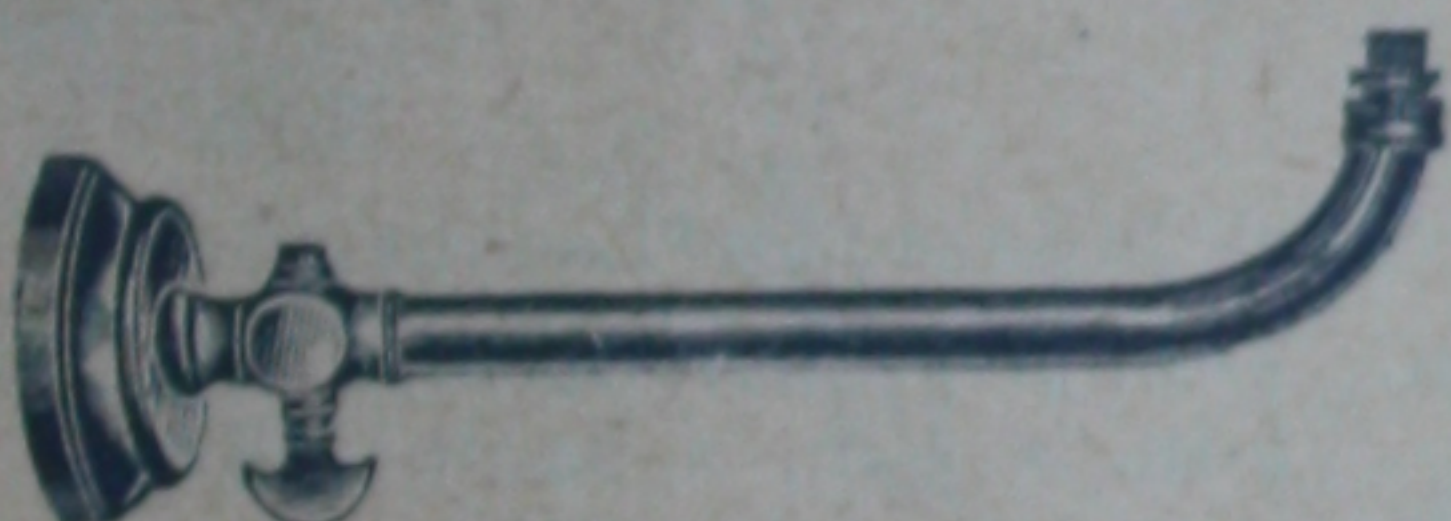
Steel Bronzed or Lacquered. Stiff.

No. W2162.	$\frac{3}{8}$ -in. x 6-in.	Back 1 $\frac{1}{2}$ -in. diam.	12/- doz.
" W2164.	$\frac{1}{2}$ -in. x 6-in.	" 1 $\frac{1}{2}$ -in.	15/6
" W2165.	$\frac{1}{2}$ -in. x 9-in.	" 1 $\frac{1}{2}$ -in.	18/6
" W2167.	$\frac{3}{8}$ -in. x 10-in.	" 2 $\frac{1}{2}$ -in.	28/6



No. W2157. Stiff.

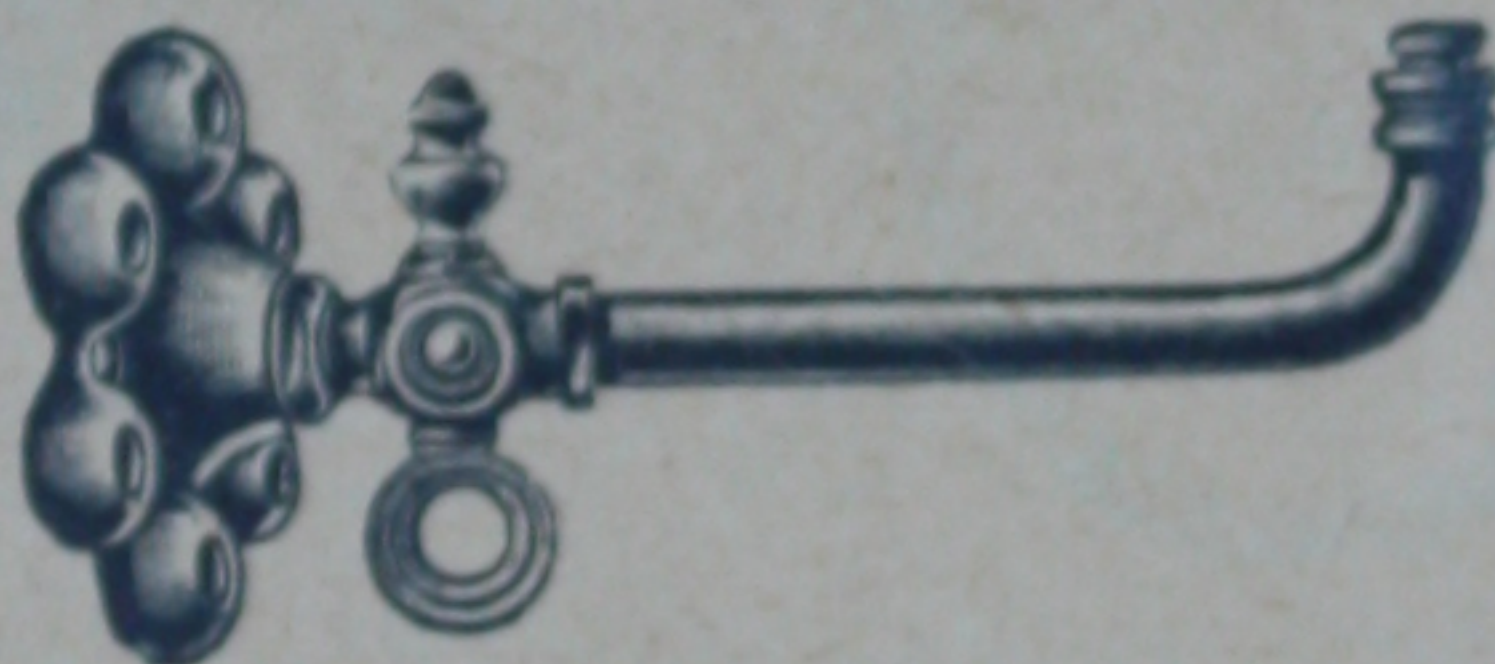
Back 1 $\frac{1}{2}$ -in. diam.	$\frac{3}{8}$ -in. x 6-in.	
Steel Bronzed	...	15/- doz.
Polished	...	16/6 "



No. W831. Stiff.

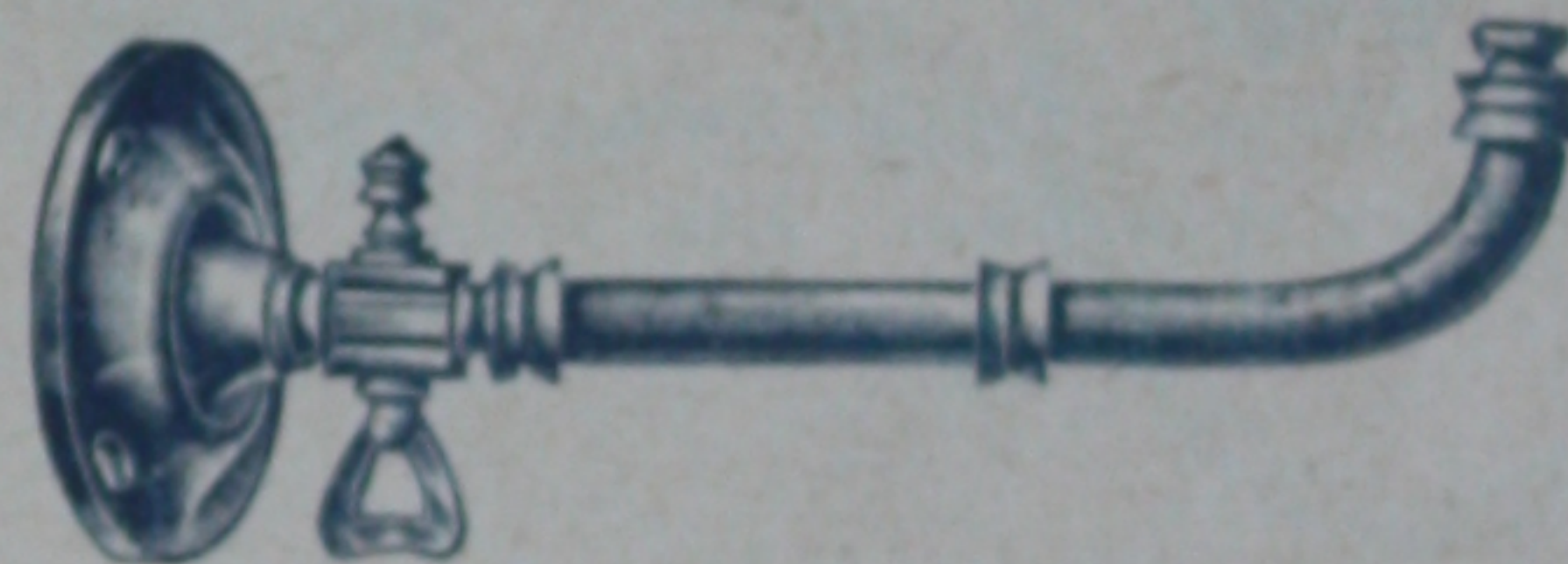
Steel Bronzed or Lacquered.
With Ring and Drop Screw.

Back, 2 $\frac{1}{2}$ -in. diam.	$\frac{3}{8}$ -in. x 6-in.	22/- doz.
" "	" $\frac{1}{2}$ -in. x 7-in.	28/6 "



No. W840. Stiff.
Polished.

Back 3 $\frac{1}{2}$ -in. diam.	$\frac{1}{2}$ -in. x 9-in.	50/- doz.
" 4-in.	" $\frac{1}{2}$ -in. x 10-in.	65/- "



No. W835. Stiff.
Polished.

Cast Back 3 $\frac{1}{2}$ -in. diam.	$\frac{1}{2}$ -in. x 8-in.	48/- doz.
" 3 $\frac{1}{2}$ -in.	" $\frac{3}{8}$ -in. x 9-in.	60/- "



No. W832. Swing.

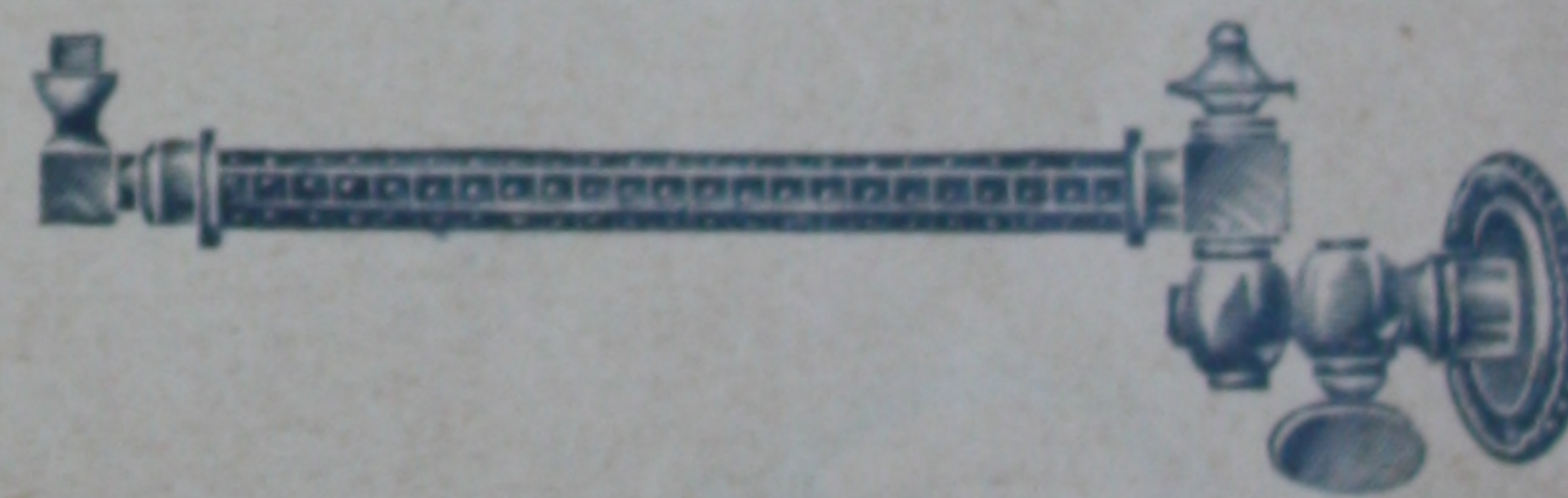
Steel Bronzed or Lacquered.

Back 2-in. diam.	$\frac{3}{8}$ -in. x 12-in.	17/6 doz.
" "	" $\frac{1}{2}$ -in. x 12-in.	24/- "



Steel Bronzed or Lacquered.
Swing.

No. W2168.	$\frac{3}{8}$ -in. x 12-in.	Back 1 $\frac{1}{2}$ -in. diam.	20/- doz.
" W2169.	$\frac{1}{2}$ -in. x 12-in.	" 2-in.	24/- "
" W2170.	$\frac{3}{8}$ -in. x 12-in.	" 2 $\frac{1}{2}$ -in.	32/6 "



Swing.

Steel Pol-
Bronzed. ished.
doz. doz.

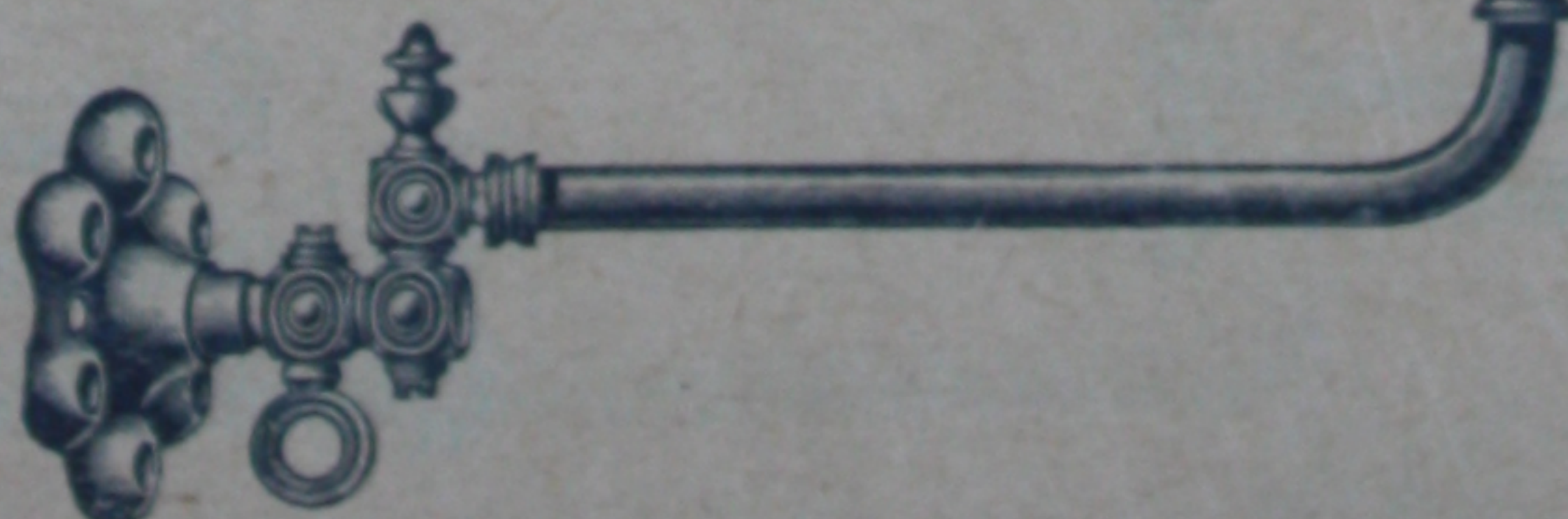
No. W2158.	$\frac{3}{8}$ -in. x 12-in.	Back 1 $\frac{1}{2}$ -in. diam.	24/- 27/-
" W2159.	$\frac{1}{2}$ -in. x 12-in.	" 2-in.	27/- 31/6



No. W833. Swing.

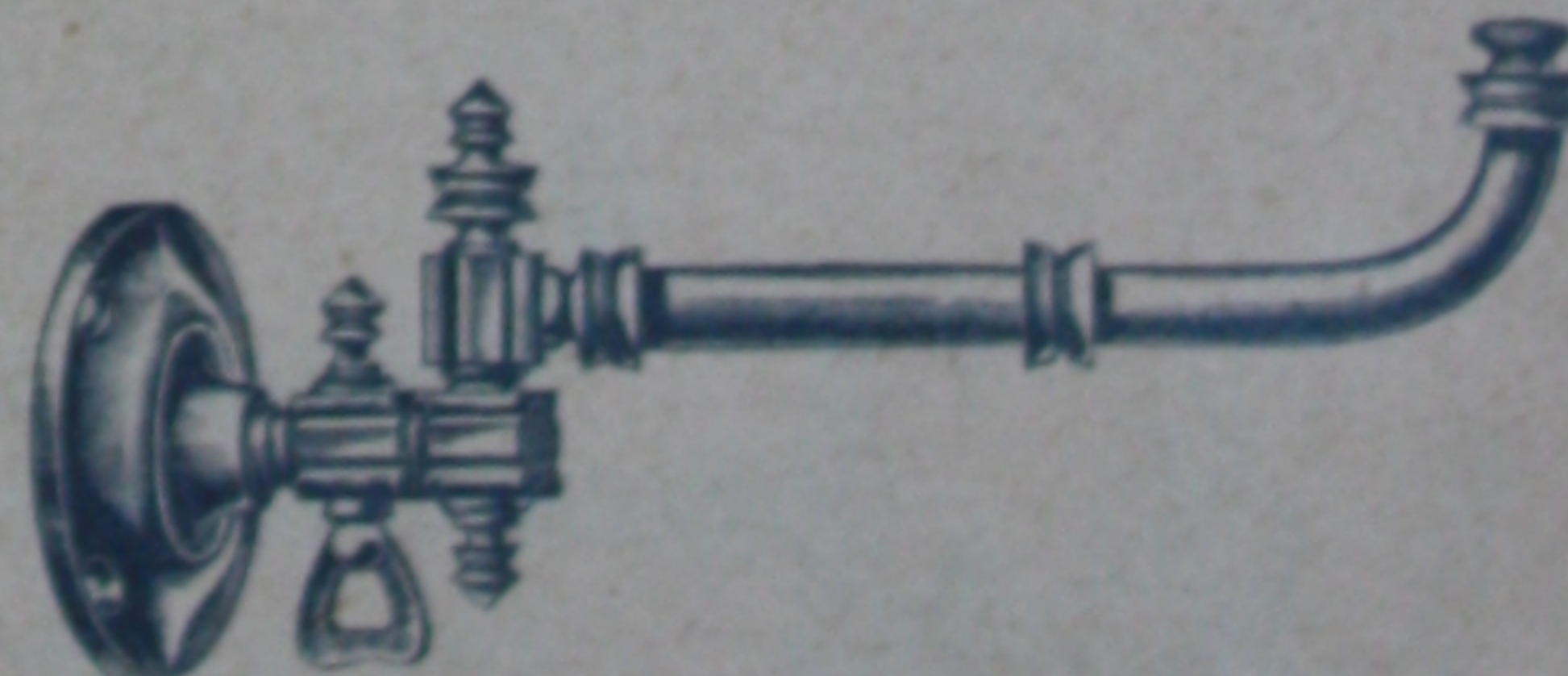
Steel Bronzed or Lacquered.

Scotch Pattern.	With Ring and Drop Screw.	
Back, 2 $\frac{1}{2}$ -in. diam.	$\frac{3}{8}$ -in. x 12-in.	31/- doz.
" "	" $\frac{1}{2}$ -in. x 14-in.	42/- "



No. W842. Swing.
Polished.

Back 3 $\frac{1}{2}$ -in. diam.	$\frac{1}{2}$ -in. x 14-in.	52/- doz.
" 4-in.	" $\frac{3}{8}$ -in. x 14-in.	62/- "

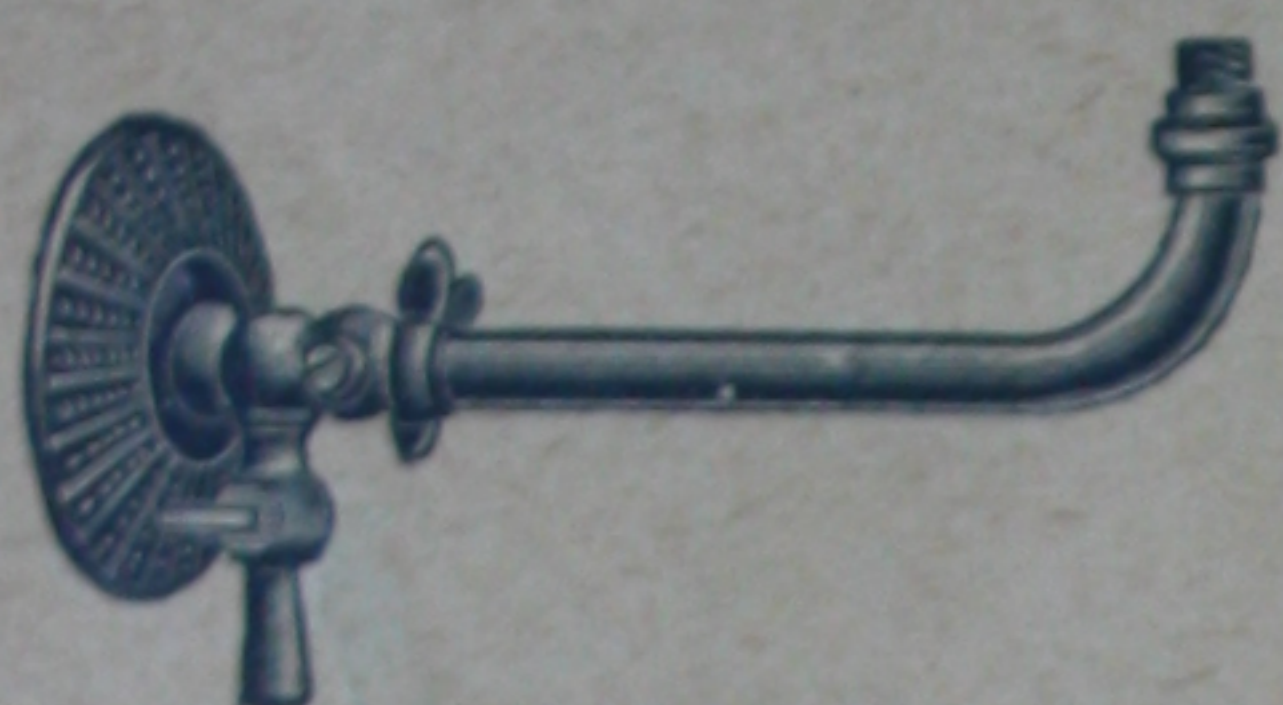


No. W836. Swing.
Polished.

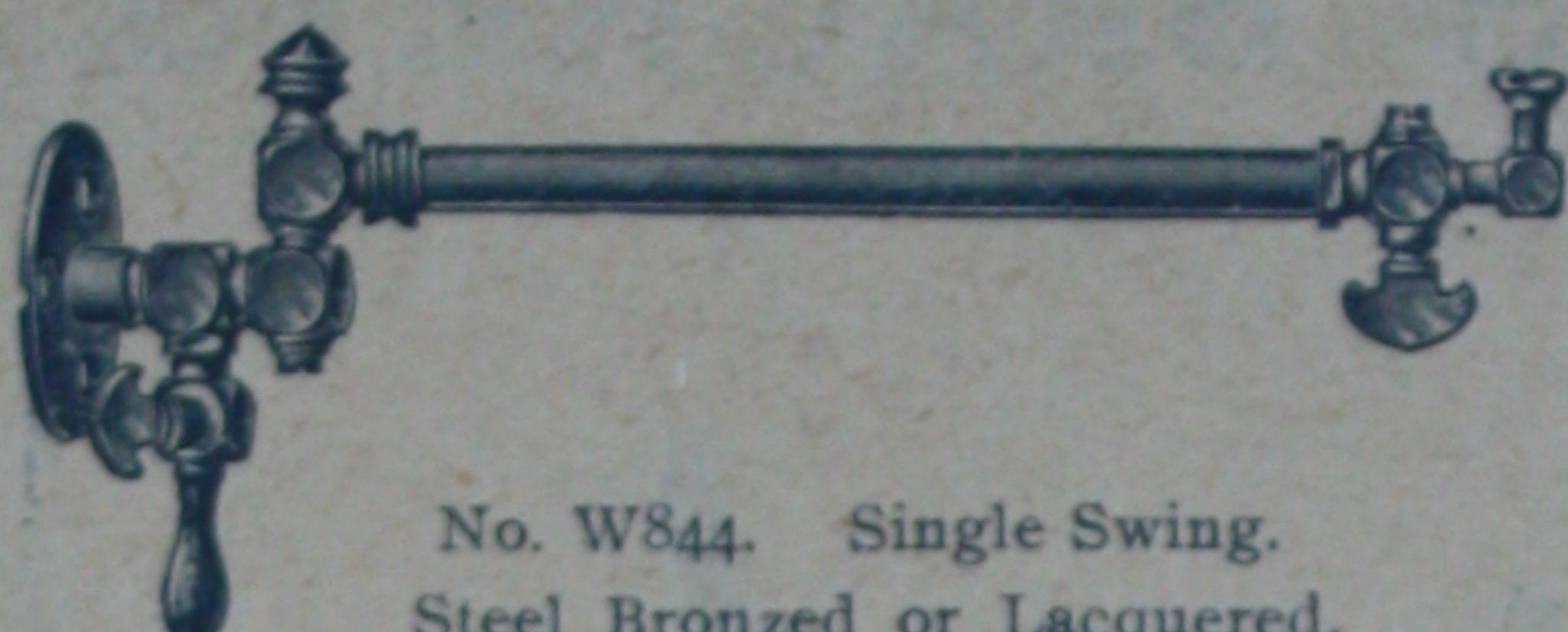
Cast Back 3 $\frac{1}{2}$ -in. diam.	$\frac{1}{2}$ -in. x 9-in.	57/6 doz.
" "	" $\frac{1}{2}$ -in. x 12-in.	60/- "
" 3 $\frac{1}{2}$ -in.	" $\frac{3}{8}$ -in. x 10-in.	70/- "
" "	" $\frac{1}{2}$ -in. x 12-in.	72/- "

WELSBACH LIGHT

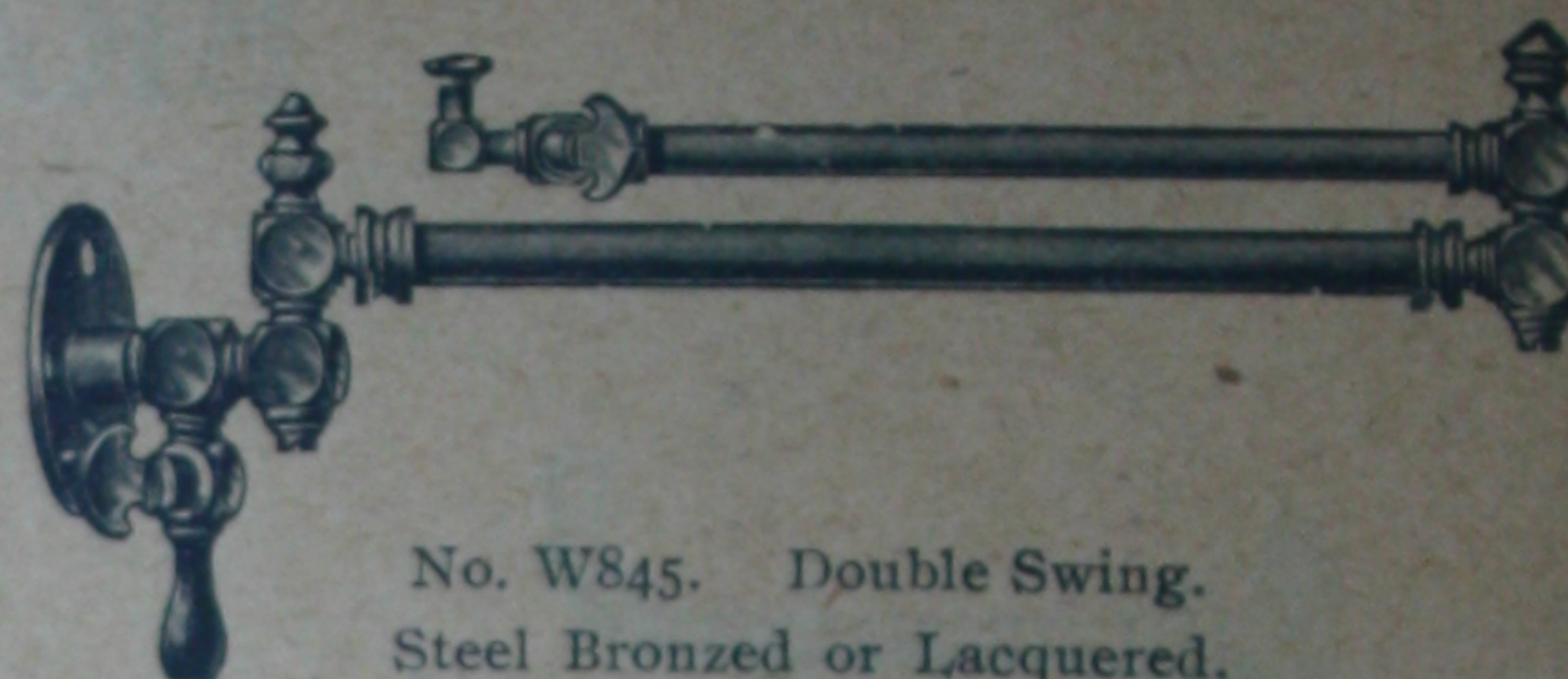
BRASS BRACKETS.



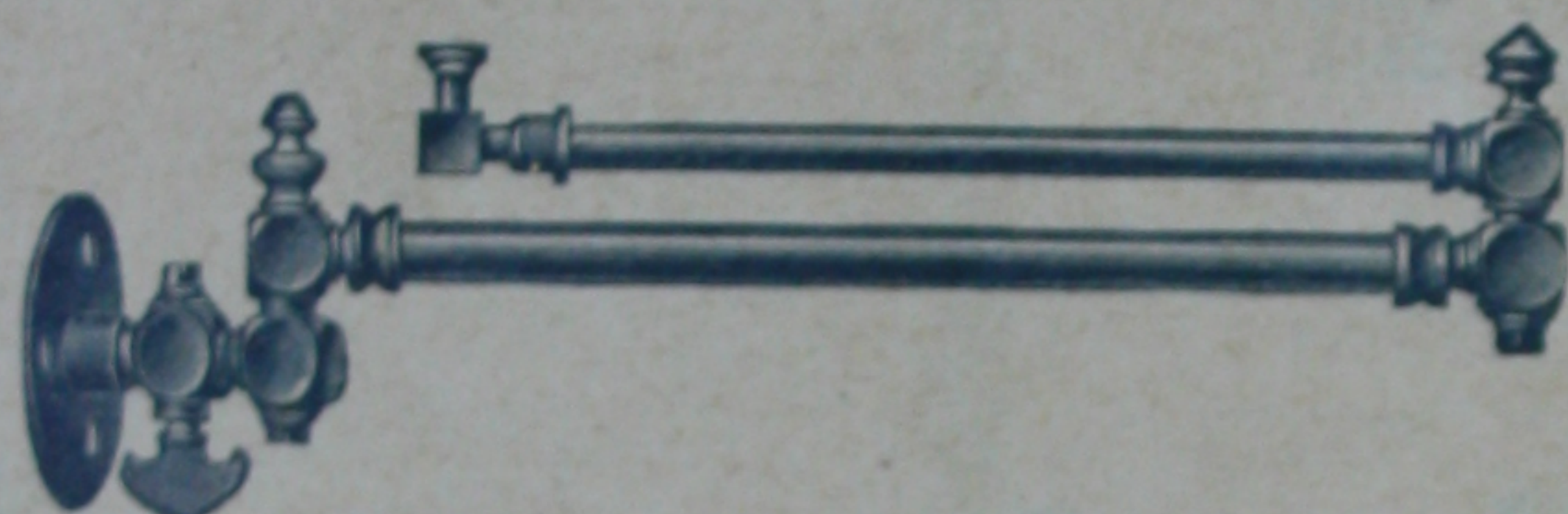
No. W2102. Polished.
Stiff, with Flexible Tube Cock.
Back $3\frac{1}{2}$ -in. diam. $\frac{1}{2}$ -in. $\times$ 8-in.
52/- per doz.



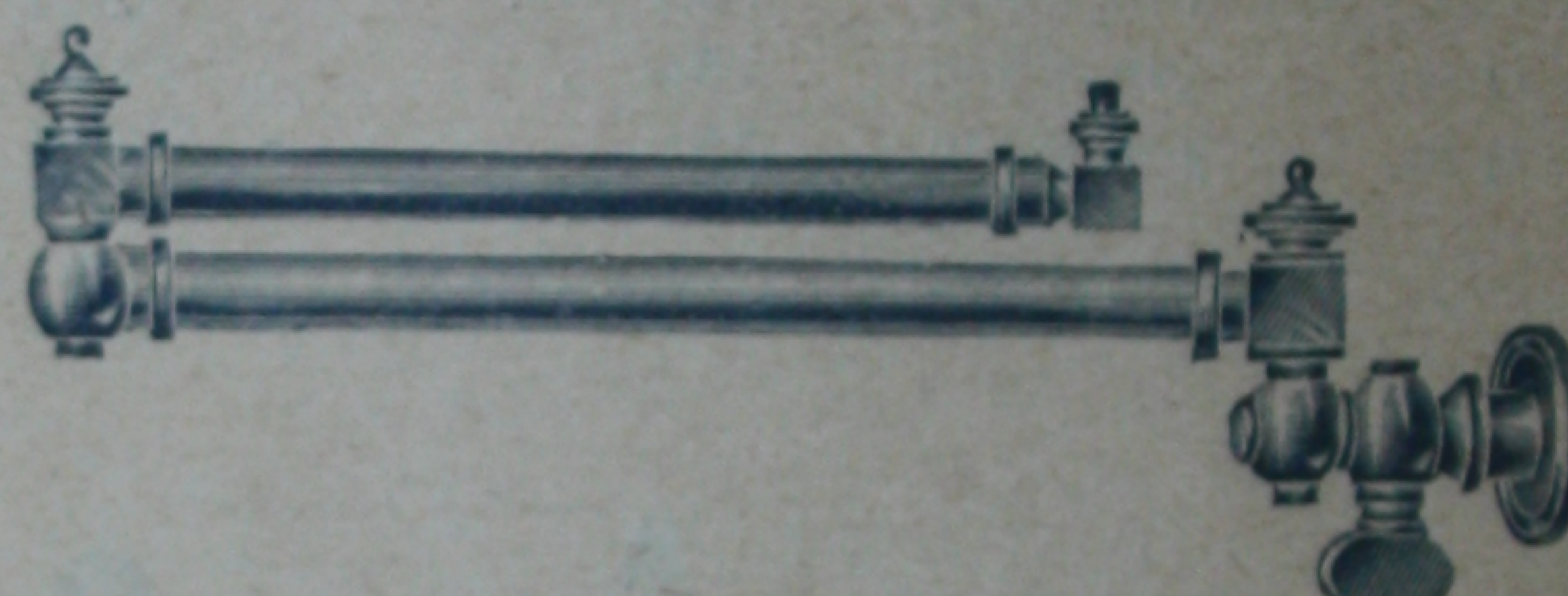
No. W844. Single Swing.
Steel Bronzed or Lacquered.
With Flexible Tube Cock.
Back 2-in. diam. $\frac{3}{8}$ -in. $\times$ 12-in. 34/- per doz.
" 2-in. " $\frac{1}{2}$ -in. $\times$ 12-in. 40/- "
" $2\frac{1}{2}$ -in. " $\frac{3}{8}$ -in. $\times$ 12-in. 70/- "



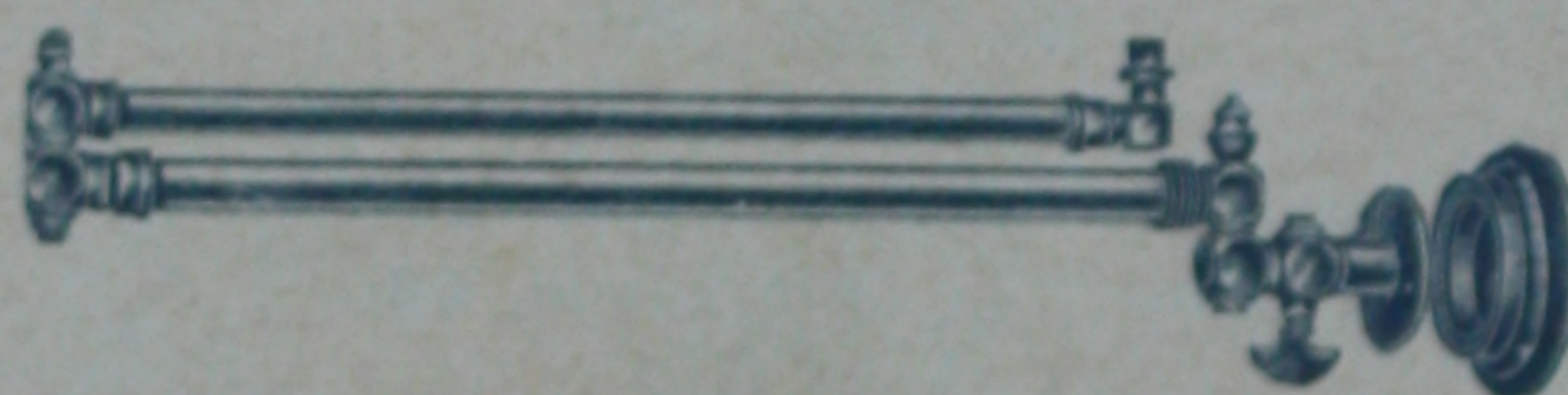
No. W845. Double Swing.
Steel Bronzed or Lacquered.
With Flexible Tube Cock.
Back $2\frac{1}{2}$ -in. diam. $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ $\times$ 24-in. 5/9 each.
" $2\frac{1}{2}$ -in. diam. $\frac{3}{8}$ -in. $\times$ $\frac{1}{2}$ $\times$ 24-in. 8/6 "



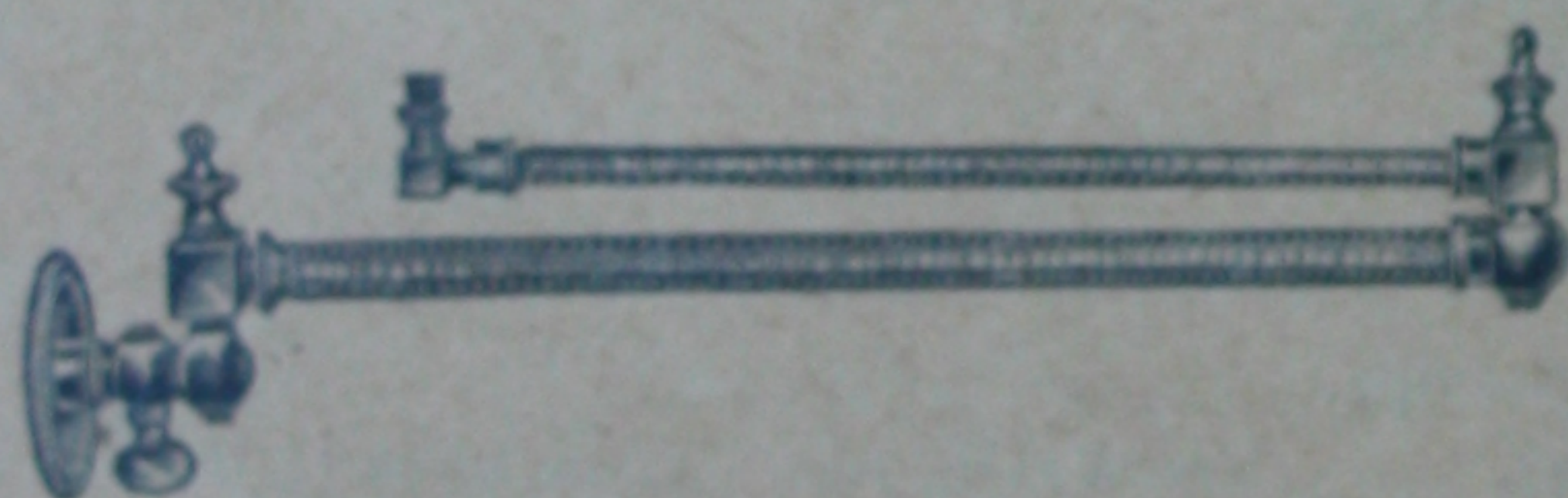
No. W834. Double Swing. Steel Bronzed or Lacquered.
Back $2\frac{1}{2}$ -in. diam. $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ -in. $\times$ 24-in. 42/- per doz.
" $2\frac{1}{2}$ -in. " $\frac{3}{8}$ -in. $\times$ $\frac{1}{2}$ -in. $\times$ 24-in. 54/- "



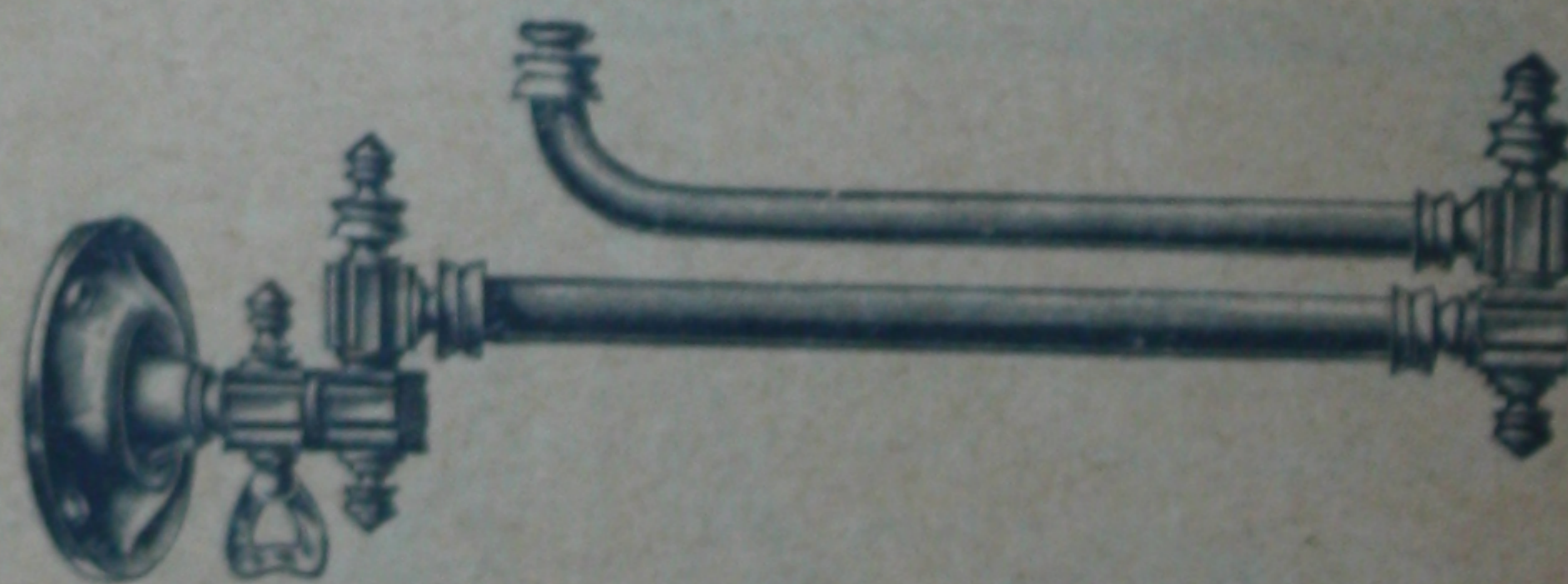
Double Swing. Steel Bronzed or Lacquered.
No. W2171. Back 2-in. diam. $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ -in. $\times$ 24-in. 42/- per doz.
" W2172. " $2\frac{1}{2}$ -in. " $\frac{3}{8}$ -in. $\times$ $\frac{1}{2}$ -in. $\times$ 24-in. 54/- "



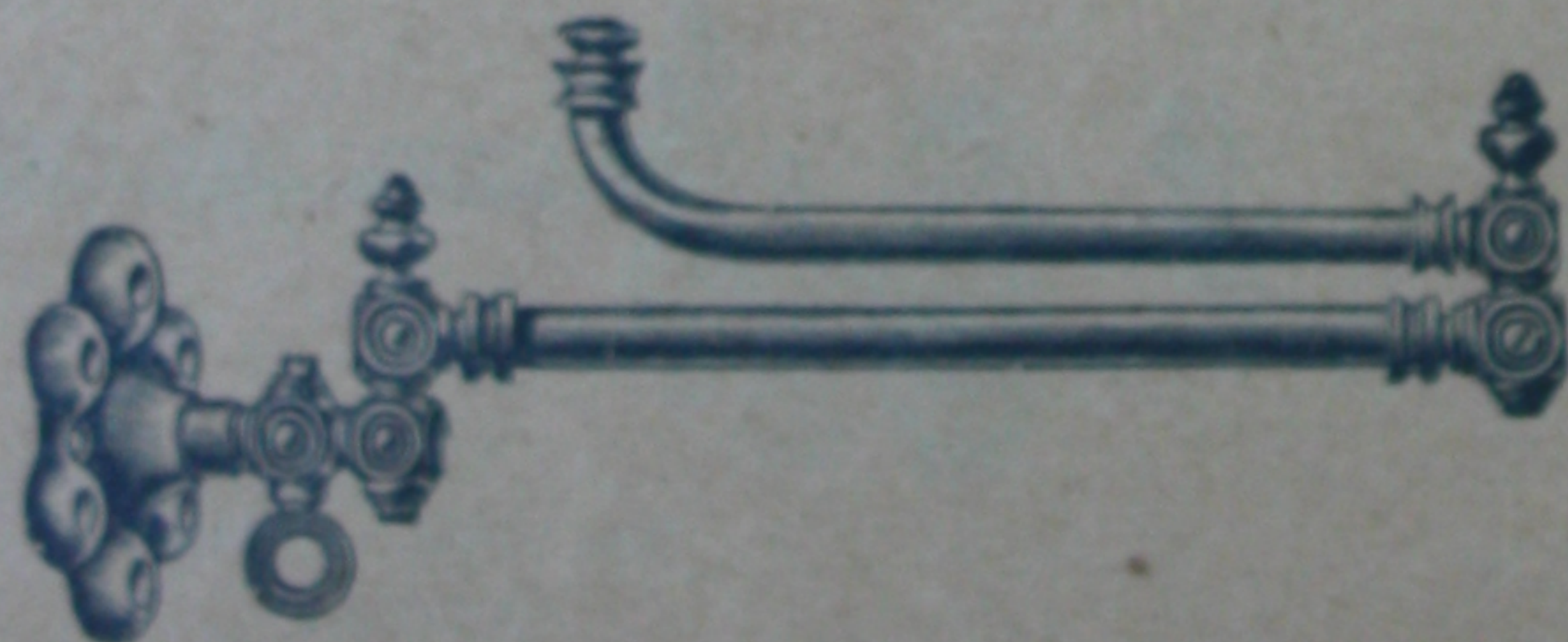
No. W833A. Double Swing.
Scotch Pattern, with Ring and Drop Screw.
Back $2\frac{1}{2}$ -in. diam. $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ -in. $\times$ 24-in.
48/- per doz.



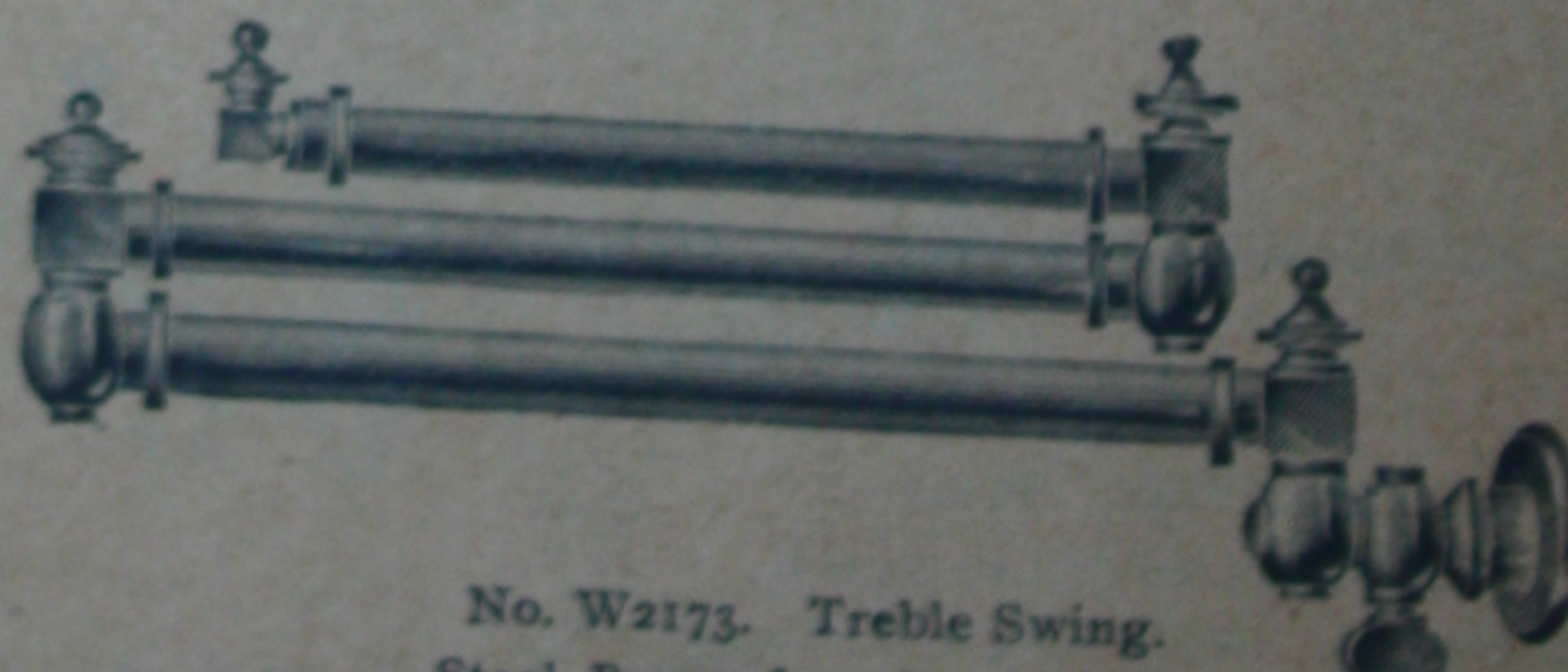
Double Swing. Steel Bronzed. Polished.
No. W2160. Back 2-in. diam. $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ -in. $\times$ 24-in. 50/- per doz. 58/-
" W2161. " $2\frac{1}{2}$ -in. " $\frac{3}{8}$ -in. $\times$ $\frac{1}{2}$ -in. $\times$ 24-in. 68/6 78/-



No. W837. Double Swing.
Polished.
Cast Back $3\frac{1}{2}$ -in. diam. $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ -in. $\times$ 24-in. double 8/- each.
" " $3\frac{1}{2}$ -in. diam. $\frac{3}{8}$ -in. $\times$ $\frac{1}{2}$ -in. $\times$ 24-in. double 9/6 "



No. W848. Double Swing.
Polished.
Back $3\frac{1}{2}$ -in. diam. $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ -in. $\times$ 24-in. 74/- per doz.
" 4-in. " $\frac{3}{8}$ -in. $\times$ $\frac{1}{2}$ -in. $\times$ 24-in. 88/6 "



No. W2173. Treble Swing.
Steel Bronzed or Lacquered.
Back $2\frac{1}{2}$ -in. diam. $\frac{1}{2}$ -in. $\times$ $\frac{3}{8}$ -in. $\times$ 36-in. 7/- each.

WELSBACH LIGHT

GAS BRACKETS.



No. W2006.

$\frac{3}{8}$ -in. Projection 11-in. Back $2\frac{7}{8}$ -in. diam.

Polished Brass ... **3/6** each.
Antique Copper ... **3/10** „



No. W2005.

$\frac{3}{8}$ -in. Projection 11-in. Back $2\frac{7}{8}$ -in. diam.

Polished Brass ... **3/9** each.
Antique Copper ... **4/3** „



No. W2007.

$\frac{3}{8}$ -in. Projection 11-in. Back $2\frac{7}{8}$ -in. diam.

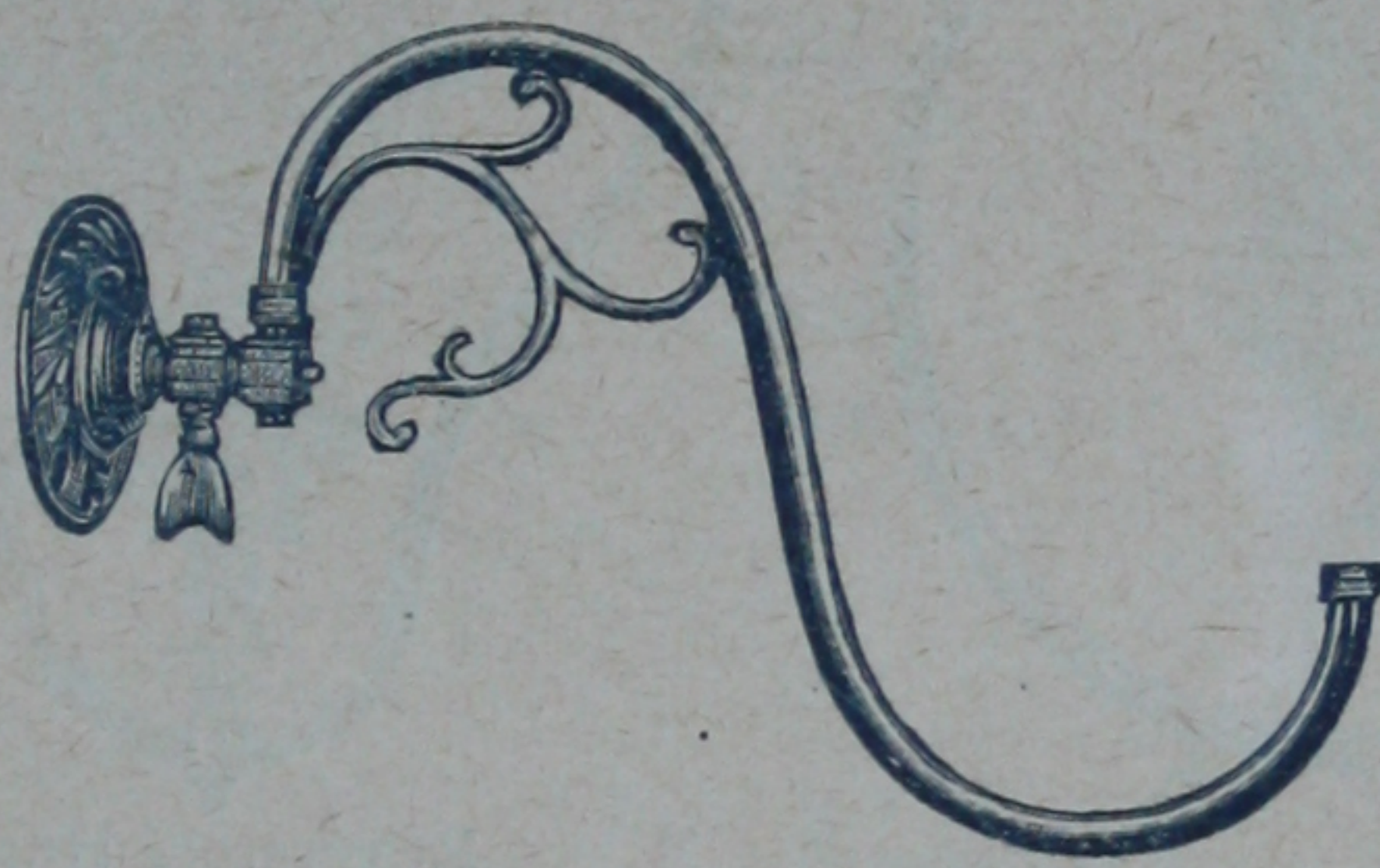
Polished Brass ... **4/=** each.
Antique Copper ... **4/6** „



No. W2008.

$\frac{3}{8}$ -in. Projection 11-in. Back $2\frac{7}{8}$ -in. diam.

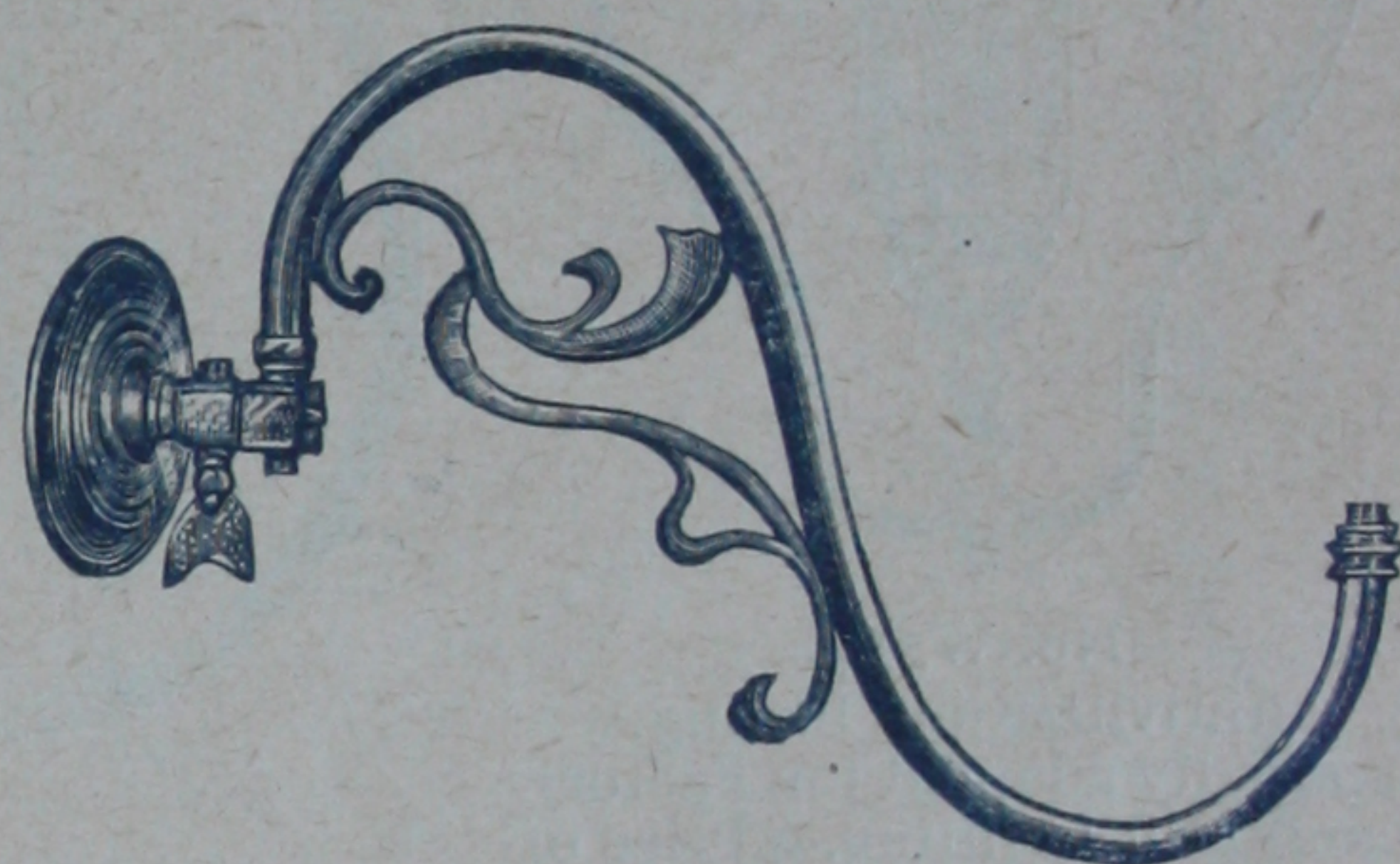
Polished Brass ... **4/=** each.
Antique Copper ... **4/6** „



No. W2004.

$\frac{3}{8}$ -in. Projection 11-in. Back $2\frac{7}{8}$ -in. diam.

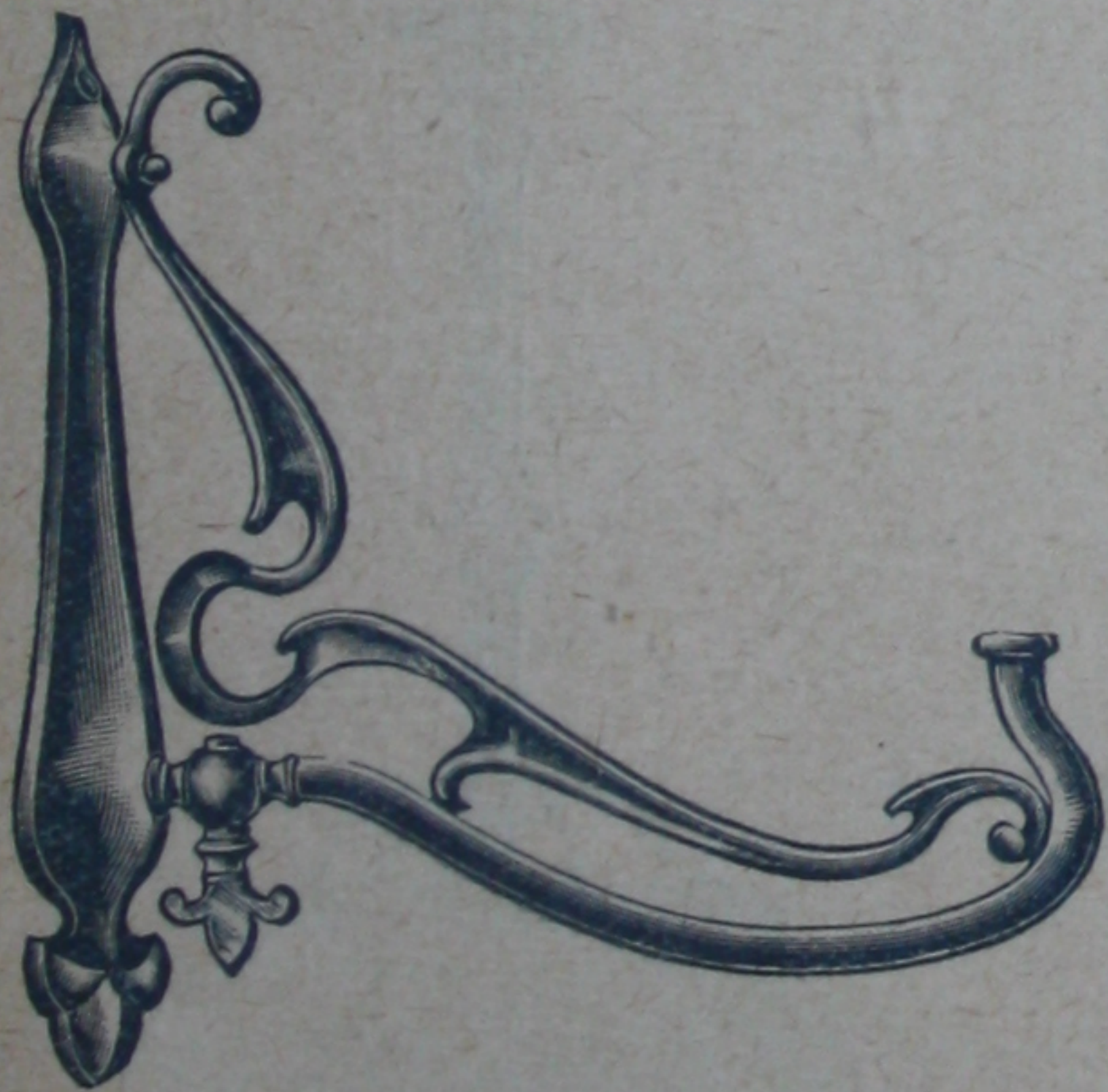
Polished Brass ... **4/3** each.
Antique Copper ... **4/9** „



No. W2009.

$\frac{7}{16}$ -in. Projection $12\frac{1}{2}$ -in. Back $3\frac{1}{8}$ -in. diam.

Polished Brass ... **5/=** each.
Antique Copper ... **5/6** „



No. W822.

$\frac{1}{2}$ -in. Projection 10-in. Back 12-in.

Polished Brass ... **10/=** each.



No. W818.

$\frac{3}{8}$ -in. Projection 14-in.

Polished Brass ... **12/=** each.
Antique Copper ... **13/=** „

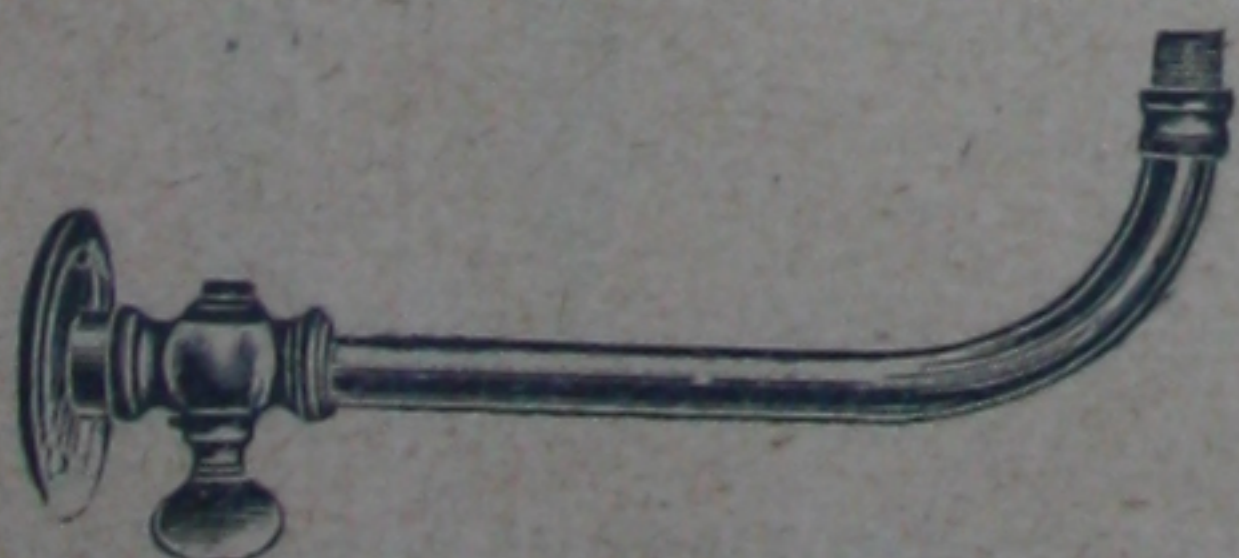


No. W819.

$\frac{3}{8}$ -in. Projection 14-in.

Polished Brass ... **12/3** each.
Antique Copper... **13/6** „

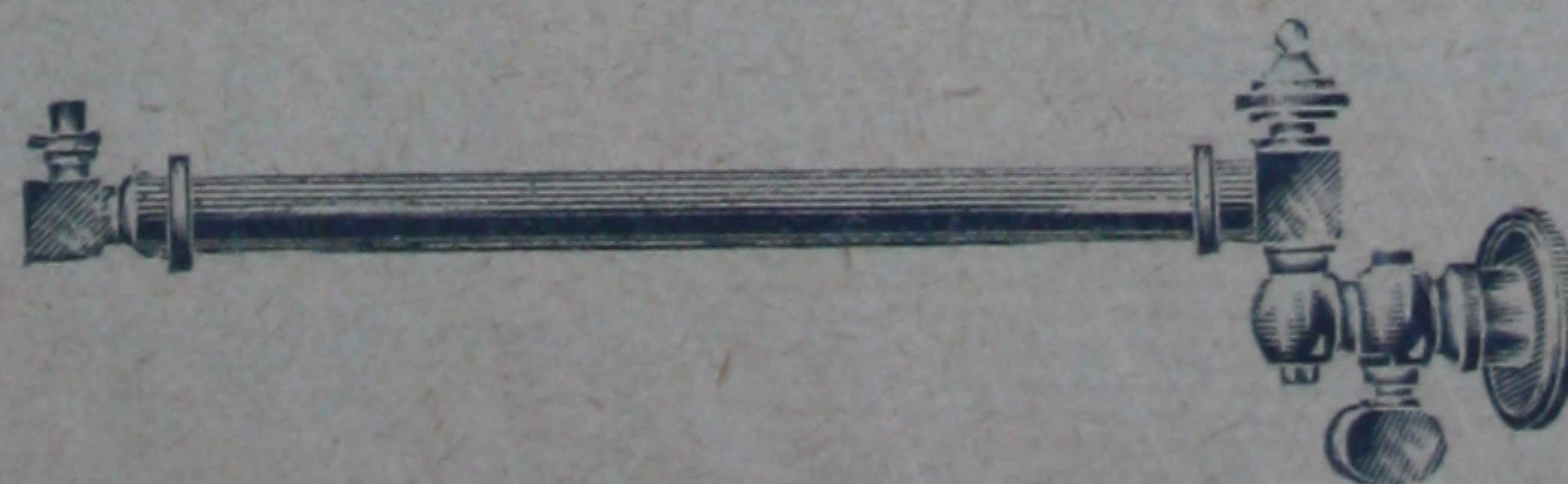
IRON BARREL BRACKETS.



Iron Barrel, with Polished Brass Fittings.

W1940. $\frac{1}{4} \times 9$ -in. Back $2\frac{1}{2}$ -in. **28/=** per doz.

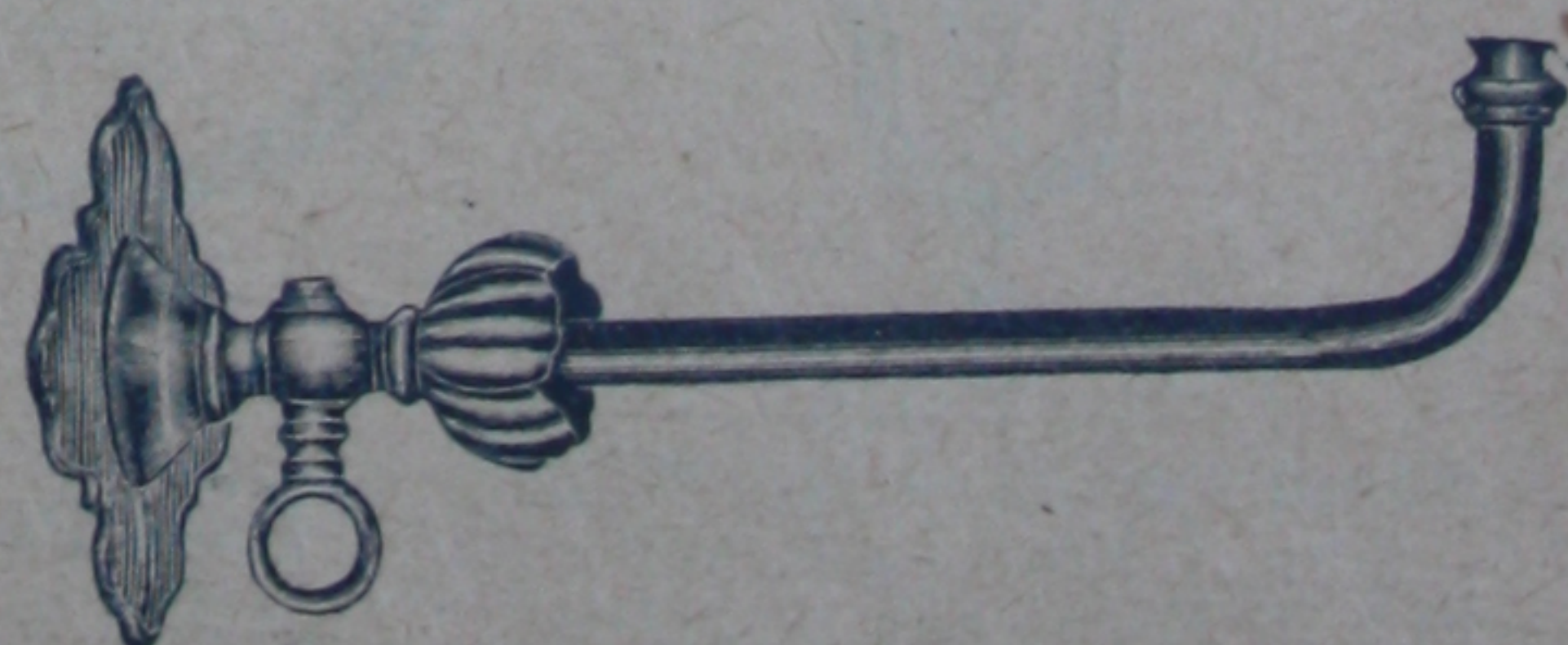
W1941. $\frac{3}{8} \times 9$ -in. Back $2\frac{1}{2}$ -in. **33/=** „



Iron Barrel, with Polished Brass Fittings.

W1942. $\frac{1}{4} \times 12$ -in. Back $2\frac{1}{2}$ -in. **36/=** per doz.

W1943. $\frac{3}{8} \times 12$ -in. Back $2\frac{1}{2}$ -in. **44/=** „



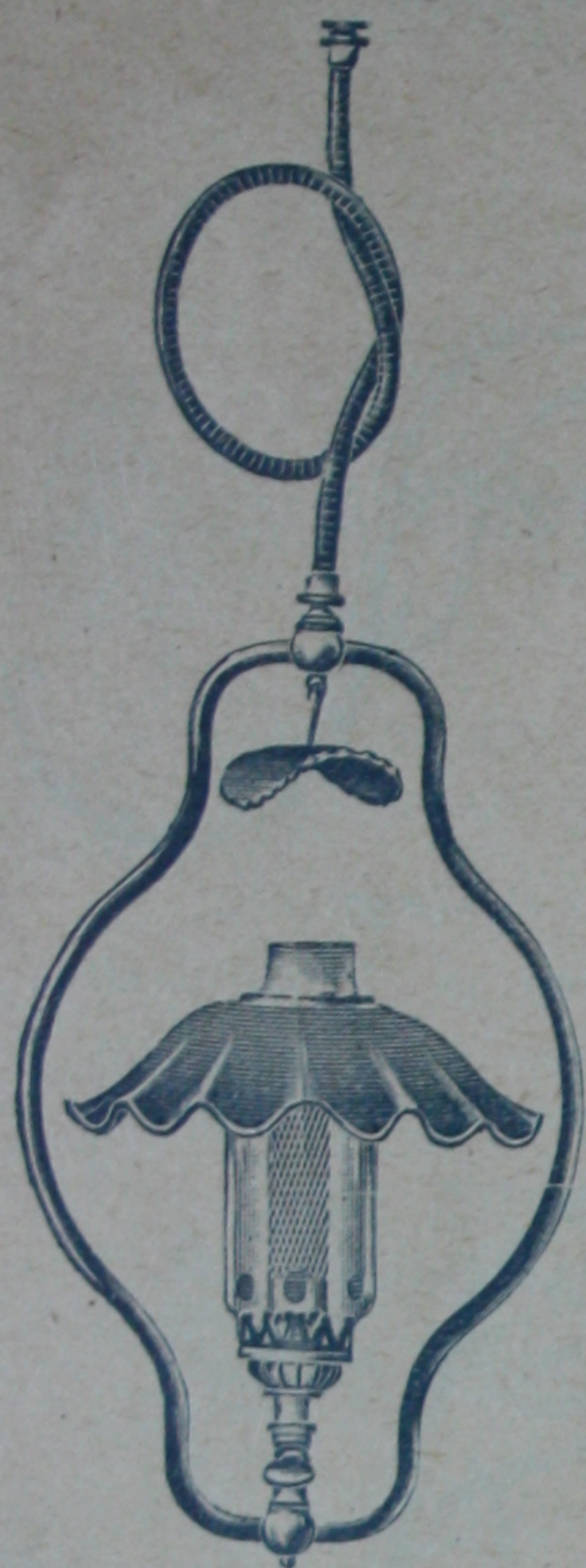
No. W2107.

$\frac{1}{2}$ -in. Projection 11-in. Back $3\frac{3}{4}$ -in.

Wrought Iron and Brass ... **5/=** each.

WELSBACH LIGHT

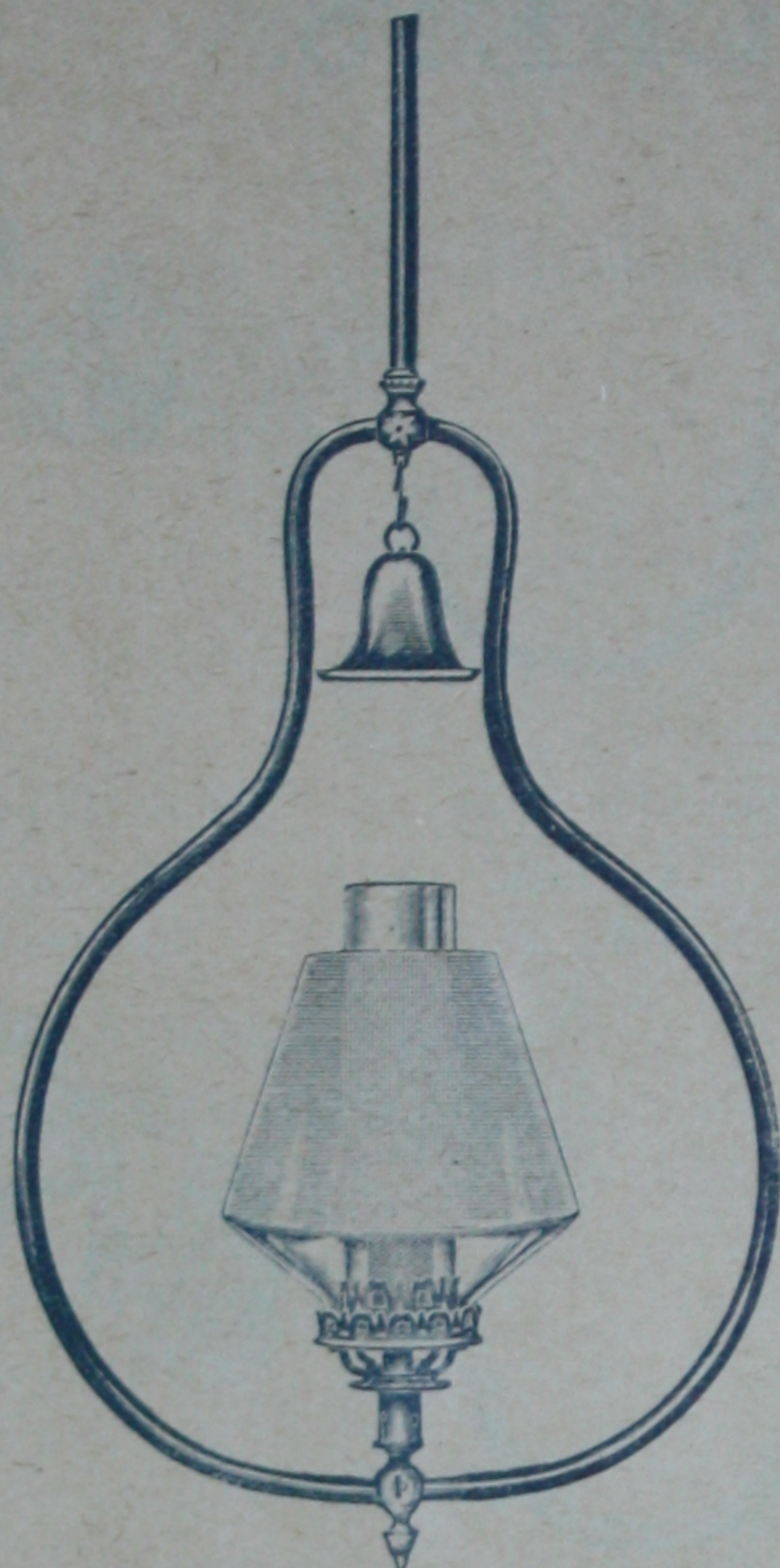
HARP AND SHADE PENDANTS.



No. W5148.
Antivibration Fitting,
specially adapted for Factory
and Mill Lighting. Price of
Harp with Flexible Metallic
Tubing, 5/- each.
With Ceiling Plate, 5/3 each.

No. W5064.

7-in. Aluminium Reflector,
1/- each.

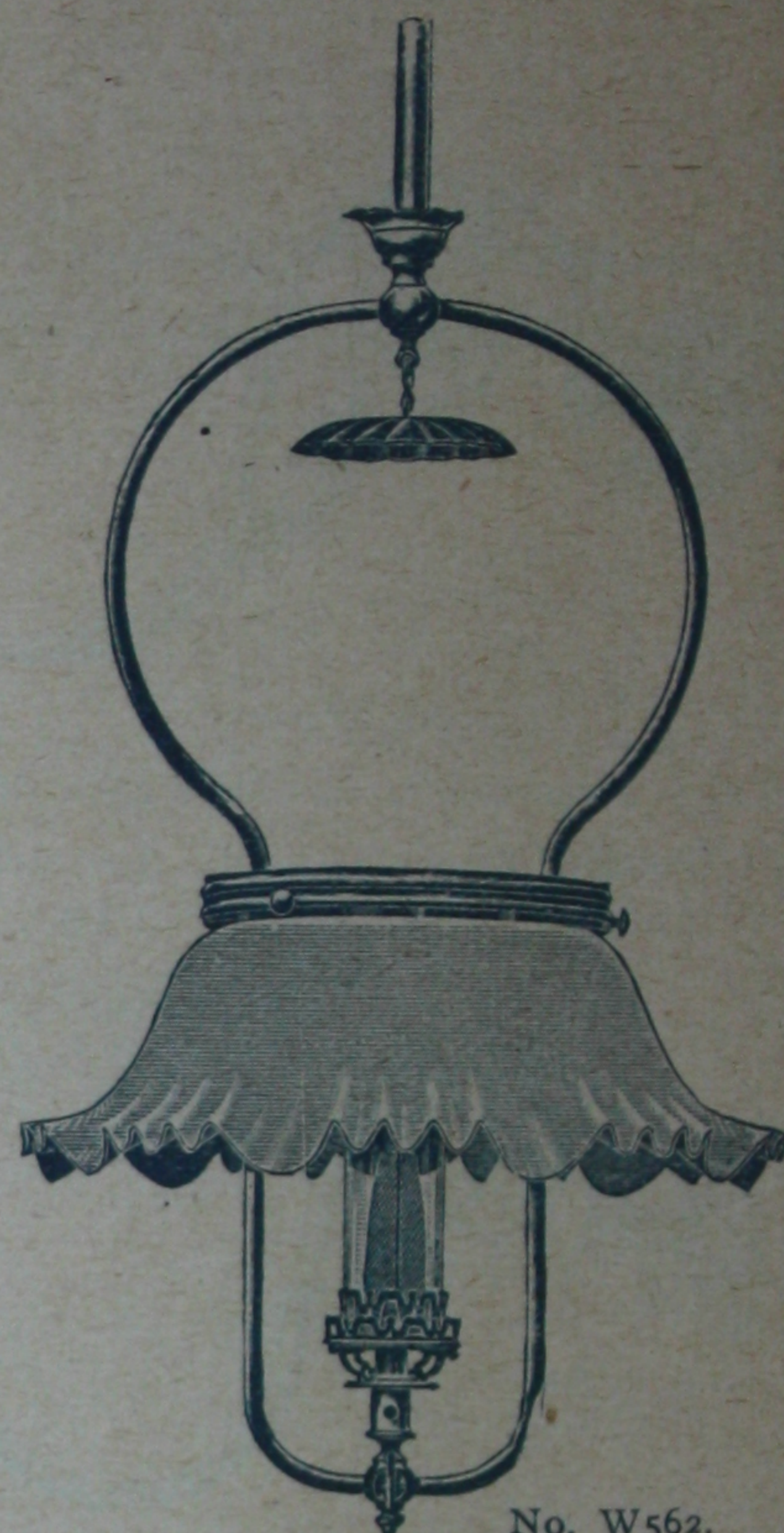


No. W560.
Polished Brass or Steel Bronzed
Harp Pendant,
1/2-in. Down Rod. 3/4-in. Body.
Stiff Top.
5/10 each. 68/- per doz.
Cup and Ball, 1/6 each extra.



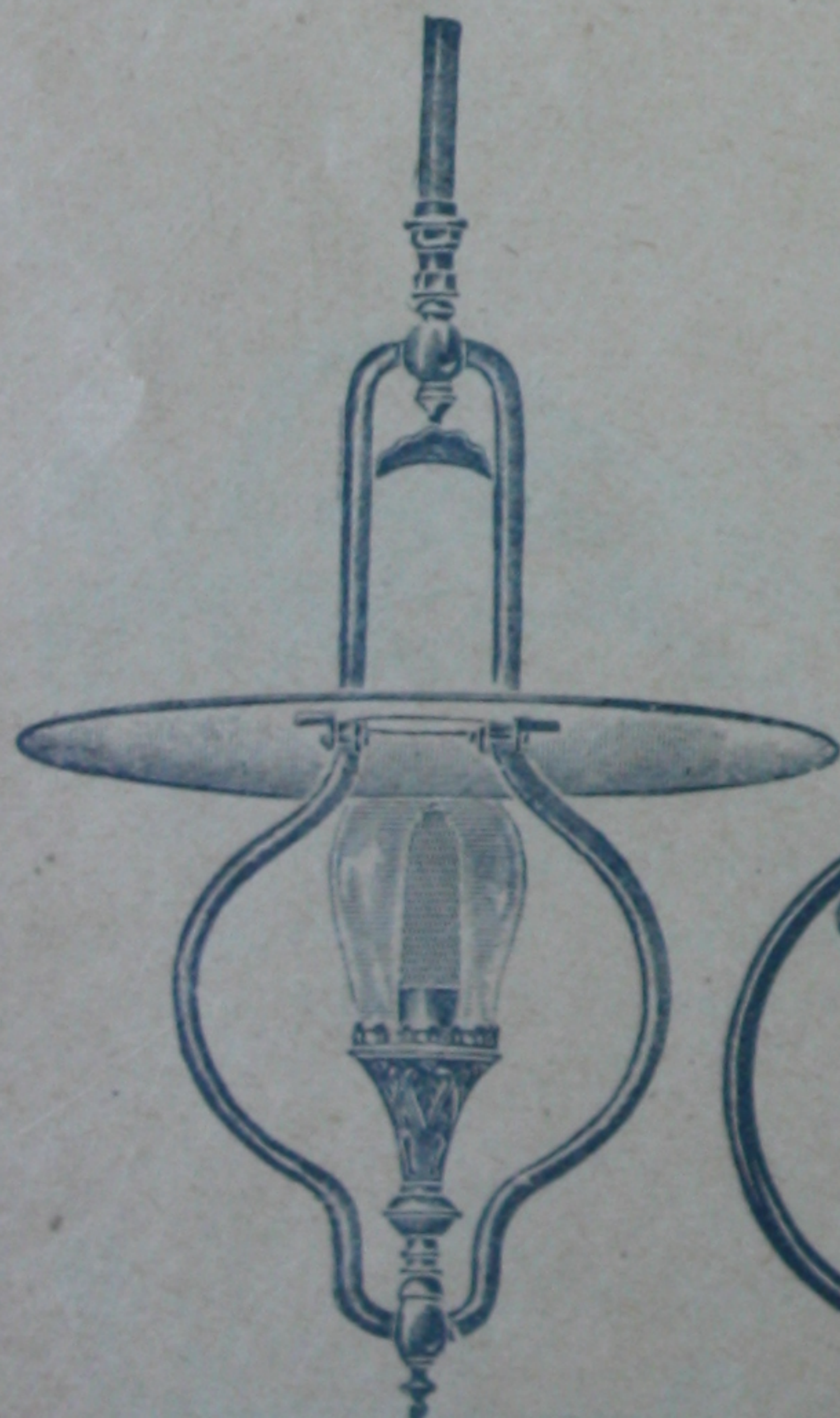
No. W78.

Reversible Harp,
for Upright or Inverted Burners.
1/2-in. Down Rod. 3/4-in. Body.
3-ft. 6-in. over all.
Fitted with Cup and Ball and
Ceiling Plate.
Polished Brass or Steel Bronzed.
9/- each. 8/6 each by the dozen.

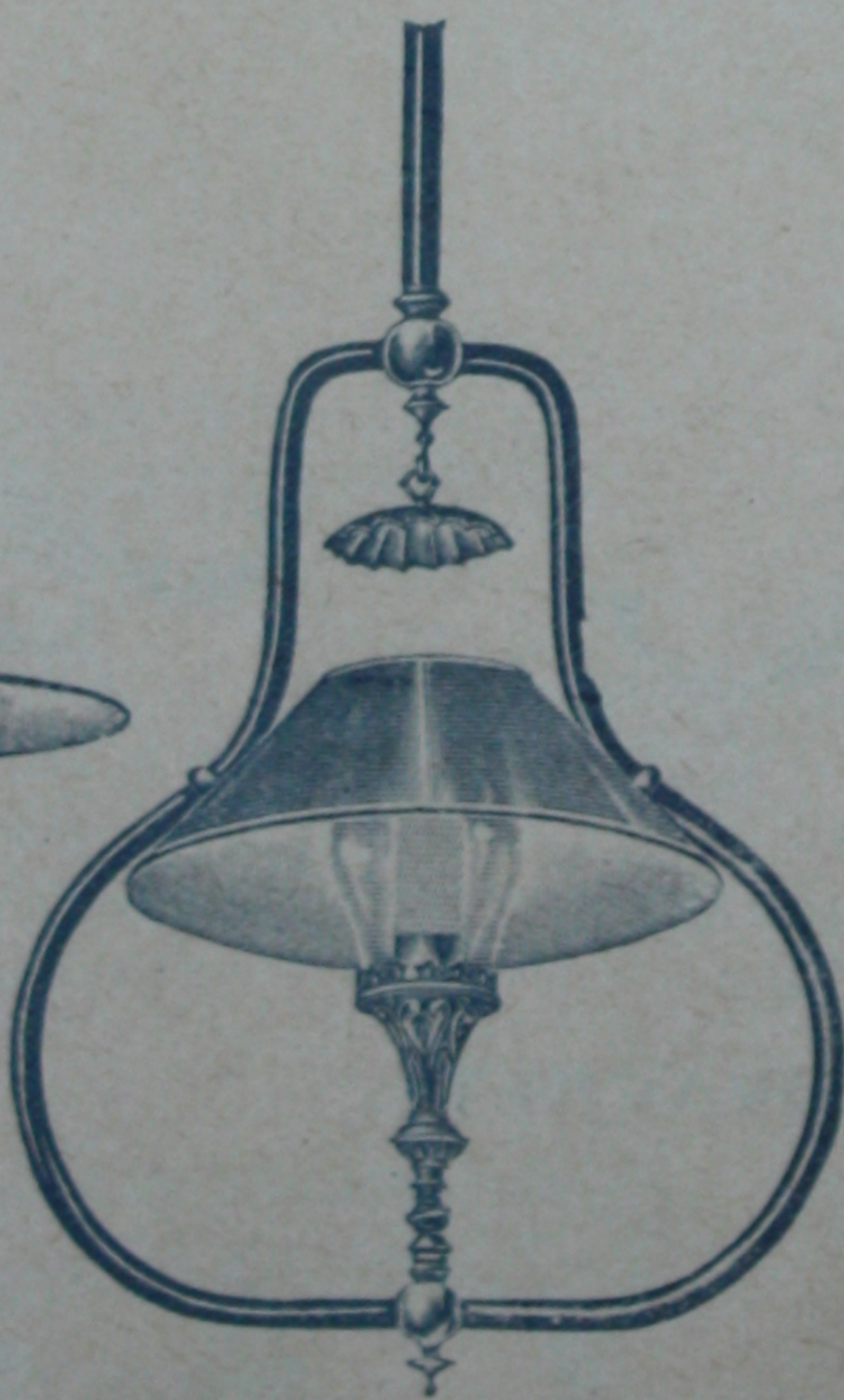


No. W562.

3/4-in. x 1/2-in. x 48-in.
Polished Brass Harp Pendant, with
Cup and Ball, complete with
16-in. Opal Crimped Shade,
23/6 each.

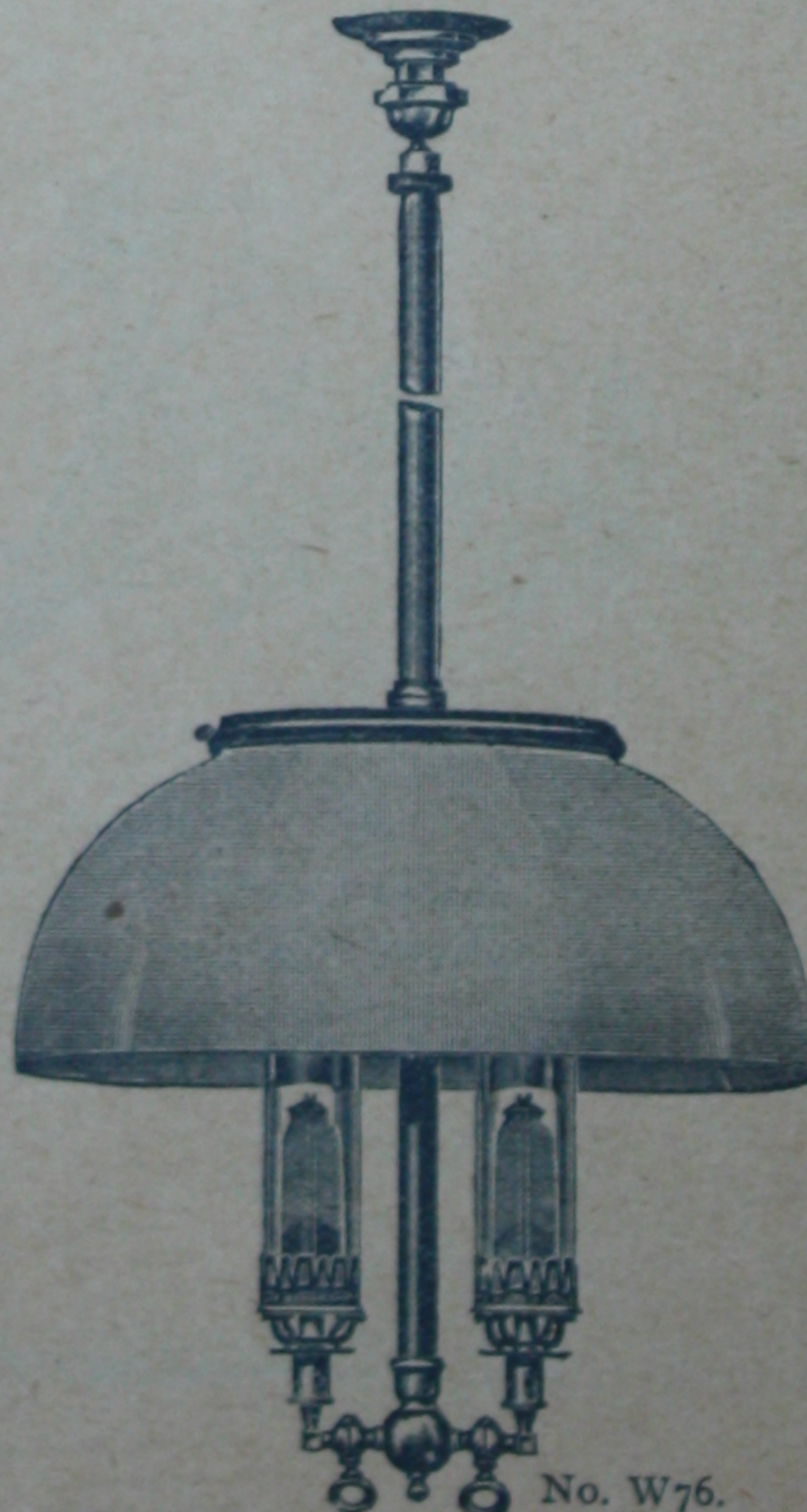


No. W5146.
Steel Pendant No. W 2.
3/4-in. x 1/2-in. x 4-ft. 6-in.
Size of Harp, 2-ft. x 11 1/2-in.
With 17 1/2-in. Enamelled
Iron Reflector,
and Cup and Ball Joint,
21/- each.



No. W5147.

Iron Pendant No. W 3.
1/2-in. x 3/4-in. x 4-ft. 6-in.
Size of Harp, 2-ft. 4-in. x 1-ft. 7-in.
With 13 1/2-in. Enamelled Iron Shade,
12/- each.



No. W76.

Down Rod 3/4-in. Length 54-in.
Polished Brass Shade Light, complete
with Cup and Ball, and 16-in. Opal
Plain or Crimped Shade.
2-light, 15/- each, 3-light 18/- each.

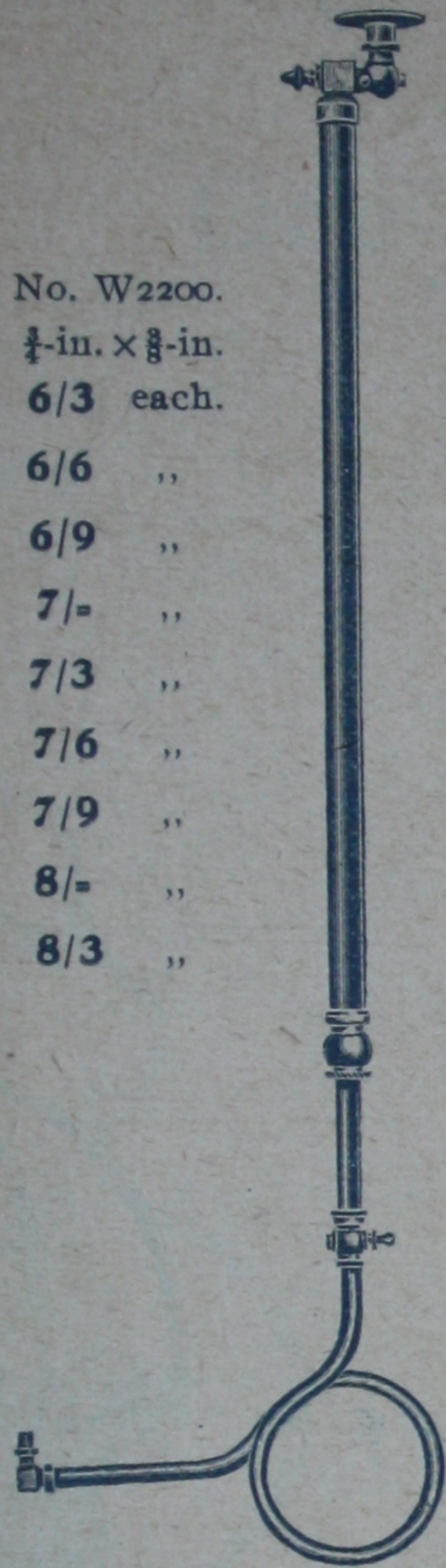


No. W76A.

Down Rod 3/4-in. Length 54-in.
Polished Brass Shade Light, complete
with Cup and Ball, and 16-in. Opal Plain
or Crimped Shade.
2-light, 15/- each, 3-light, 18/- each.

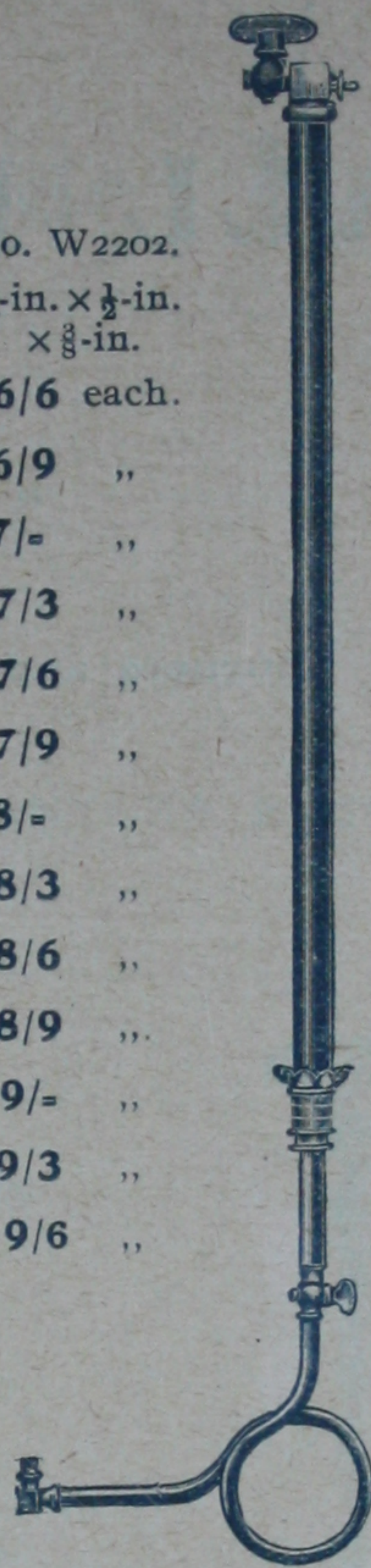
BURNERS AND GLASS EXTRA EXCEPT WHERE QUOTED OTHERWISE.

WELSBACH LIGHT



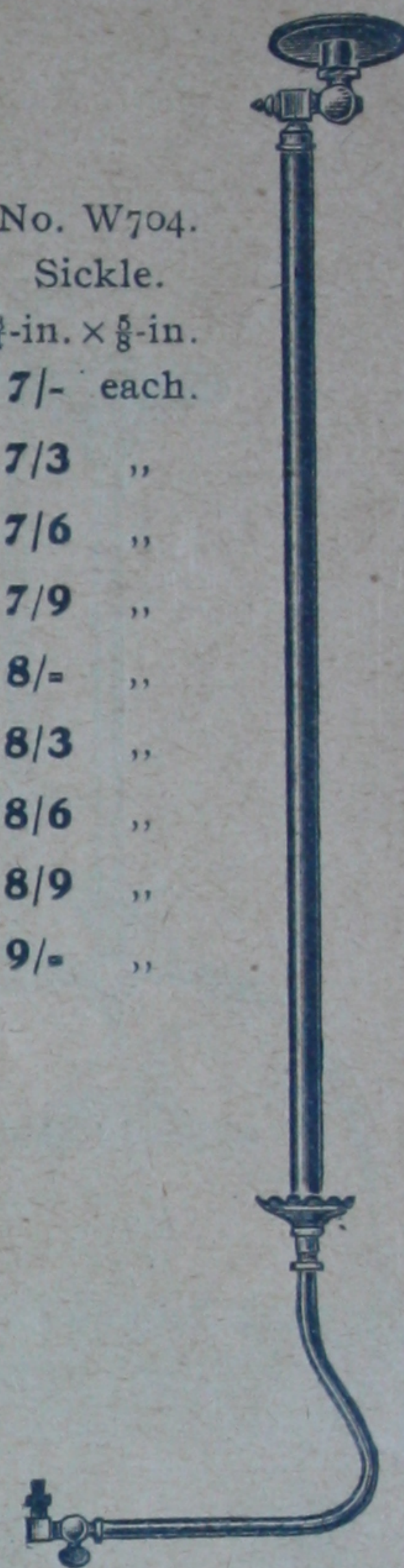
	No. W2199. 3/8-in. x 3/8-in.	No. W2200. 1/2-in. x 3/8-in.
2-ft. ...	4/5	6/3 each.
2-ft. 3-in.	4/7	6/6 "
2-ft. 6-in.	4/9	6/9 "
2-ft. 9-in.	5/-	7/- "
3-ft. ...	5/2	7/3 "
3-ft. 3-in.	5/4	7/6 "
3-ft. 6-in.	5/6	7/9 "
3-ft. 9-in.	5/9	8/- "
4-ft. ...	6/-	8/3 "

Nos. W2199 and W2200.
LIGHT PATTERN.



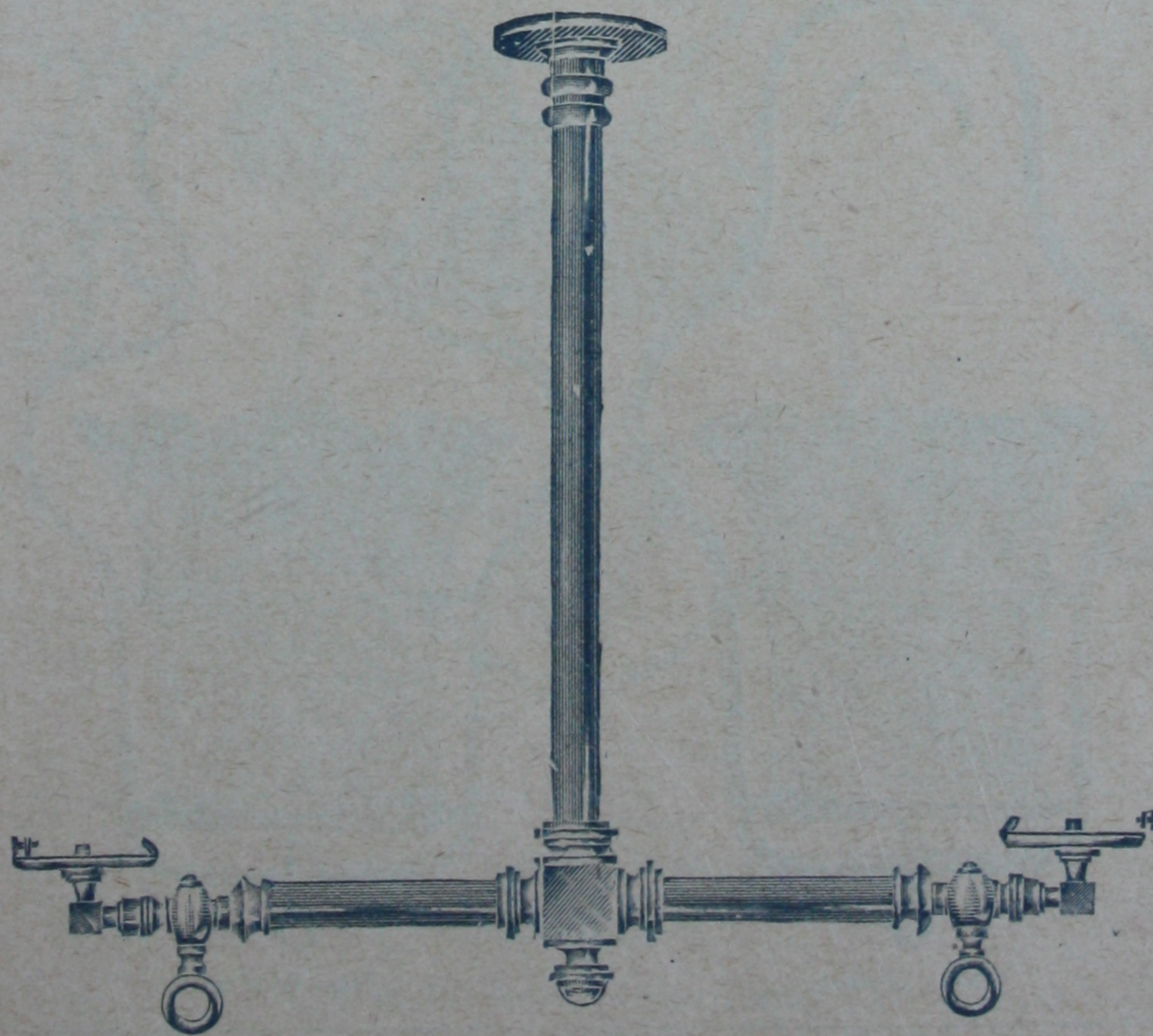
	No. W2201. 3/8-in. x 3/8-in.	No. W2202. 1/2-in. x 1/2-in. x 3/8-in.
2-ft. ...	5/2	6/6 each.
2-ft. 3-in.	5/4	6/9 "
2-ft. 6-in.	5/6	7/- "
2-ft. 9-in.	5/9	7/3 "
3-ft. ...	6/-	7/6 "
3-ft. 3-in.	6/1	7/9 "
3-ft. 6-in.	6/3	8/- "
3-ft. 9-in.	6/6	8/3 "
4-ft. ...	6/9	8/6 "
4-ft. 3-in.	6/10	8/9 "
4-ft. 6-in.	7/-	9/- "
4-ft. 9-in.	7/3	9/3 "
5-ft. ...	7/6	9/6 "

Nos. W2201 and W2202.
HEAVY PATTERN.



	No. W701. Sickle. 3/8-in. x 3/8-in.	No. W704. Sickle. 1/2-in. x 3/8-in.
2-ft. ...	4/-	7/- each.
2-ft. 3-in.	4/2	7/3 "
2-ft. 6-in.	4/3	7/6 "
2-ft. 9-in.	4/4	7/9 "
3-ft. ...	4/6	8/- "
3-ft. 3-in.	4/8	8/3 "
3-ft. 6-in.	5/-	8/6 "
3-ft. 9-in.	5/2	8/9 "
4-ft. ...	5/3	9/- "

No. W701.
Swing Top. No Slide.
SICKLE PATTERN.



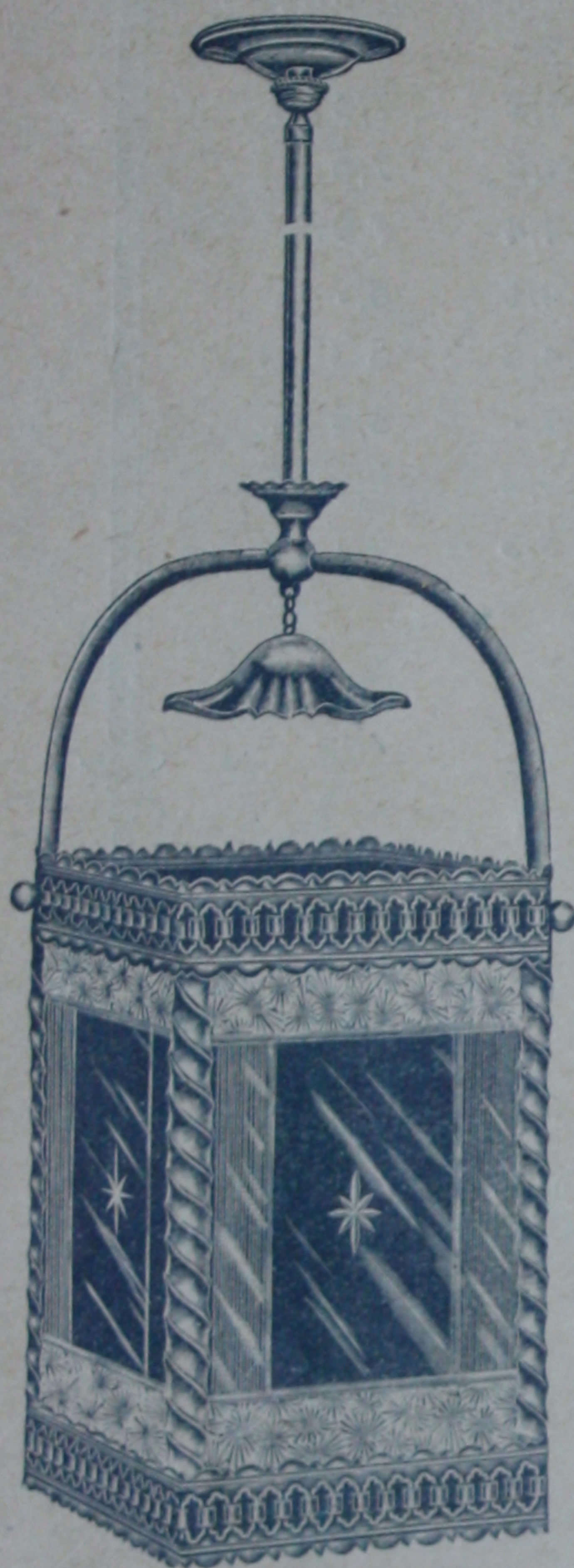
No. W5030.
Tee Pendants, 3-ft. 6-in. x 3-ft. 0-in. Spread.

		Stiff.	With Ball Joint.
Lacquered or Steel Bronzed	3/8-in. x 3/8-in.	13/-	16/- each.
	1-in. x 3/8-in.	16/9	20/3 "
	1 1/4-in. x 1-in.	22/-	26/- "
	1 1/2-in. x 1 1/4-in.	30/-	34/6 "

WELSBACH LIGHT

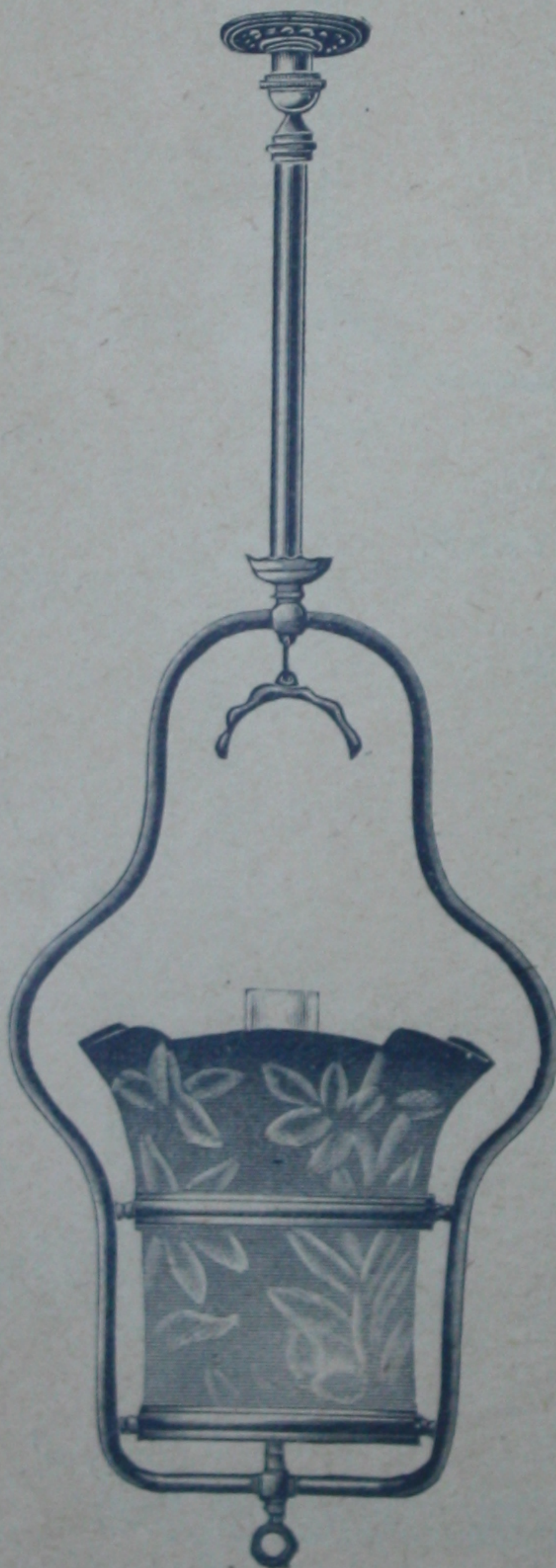
HALL LIGHTS.

Burners and Mantles extra.



No. W2115.

$\frac{3}{8}$ -in. Down Rod $\times$ 36-in. Long.
6-in. Square, Stiff ... **13/6** each.
 $\frac{1}{2}$ -in. Down Rod $\times$ 36-in. Long.
7-in. Square, with Ball
Joints ... **17/6** each.
8-in. Square, with Ball
Joints ... **25/-** ..



No. W2099.



No. W2100.



No. W2120A.

3-ft. 6-in. Long. 8-in. Square.
 $\frac{3}{8}$ -in. Down Rod.
With Door.
Polished Brass ... **43/6** each
Antique Copper ... **47/6** ..

Down Rod $\frac{1}{2}$ -in. $\times$ $\frac{5}{16}$ -Body. Length 3-ft. 6-in., with Ball Joints.

Polished Brass.

With Straw Opalescent Cylinder,
14/6 each.

With Ruby Diamond Moulded
Cylinder, **15/-** each.

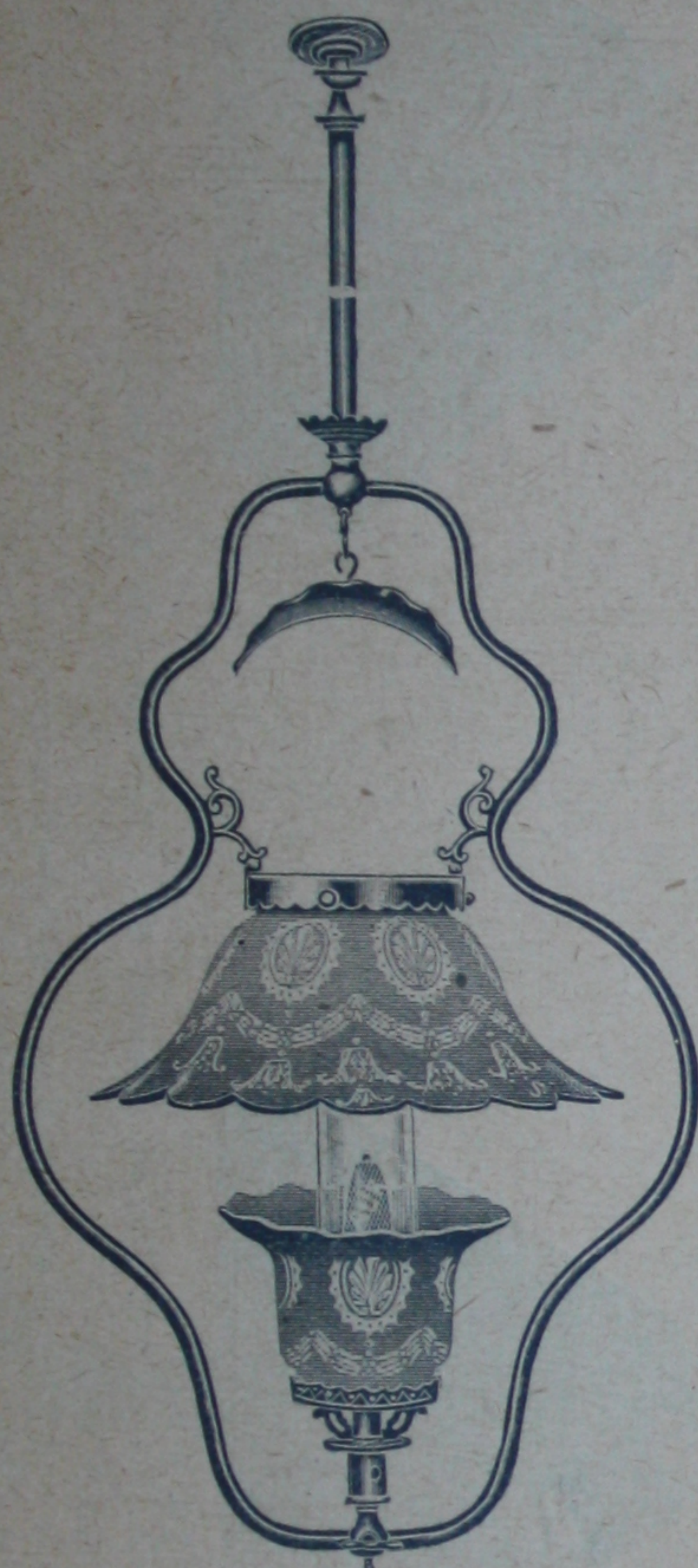
With Straw Opalescent Cylinder,
20/6 each.

With Ruby Diamond Moulded
Cylinder, **21/-** each.

WELSBACH LIGHT

One-Light Shade Pendants.

BURNERS AND MANTLES EXTRA.



No. W2205.

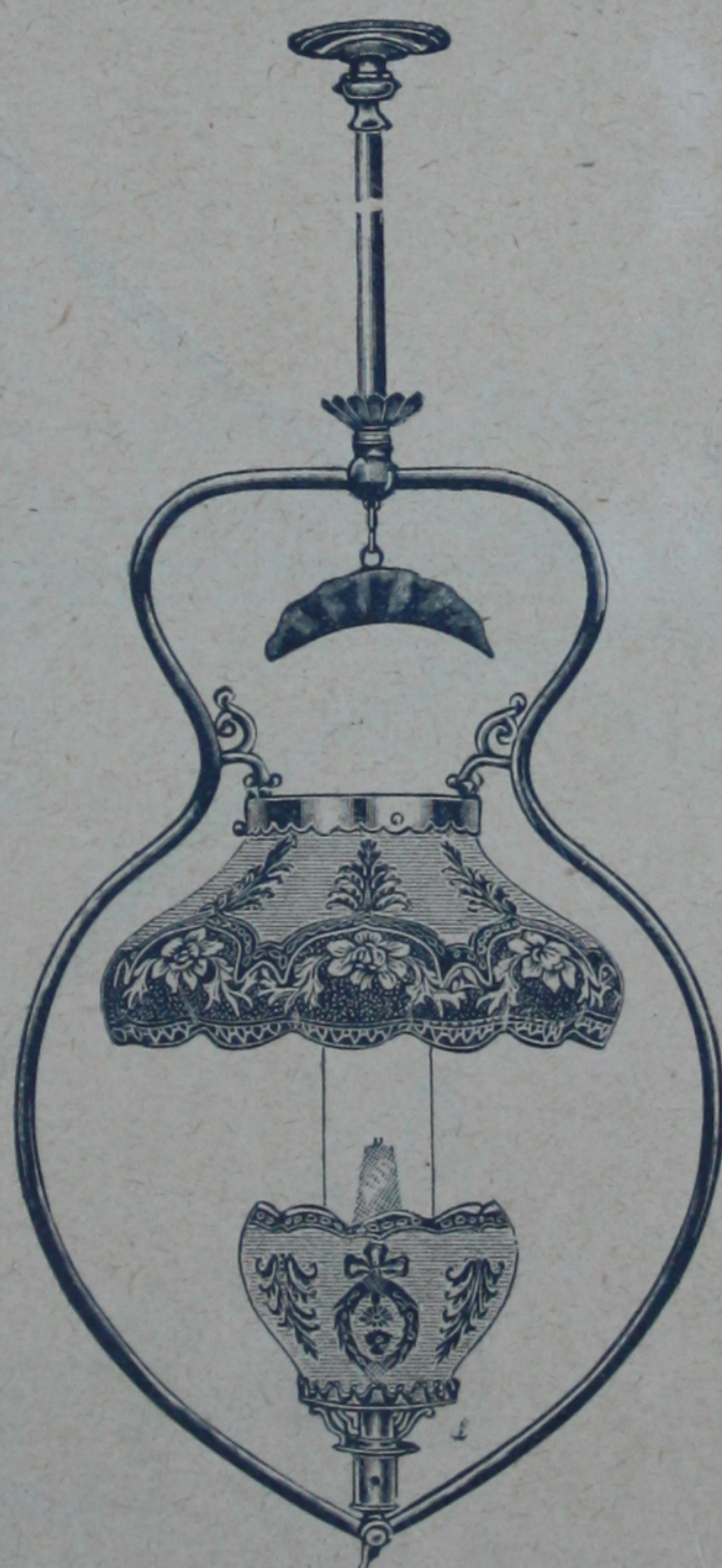
$\frac{1}{2}$ -in. Down Rod $\times$ $\frac{5}{16}$ -in. Body.

Length, 3-ft. 6-in.

With No. W1608 Ruby Tinted
Manography Glass.

Polished Brass 12/6 each.

Antique Copper 14/6 „



No. W2203.

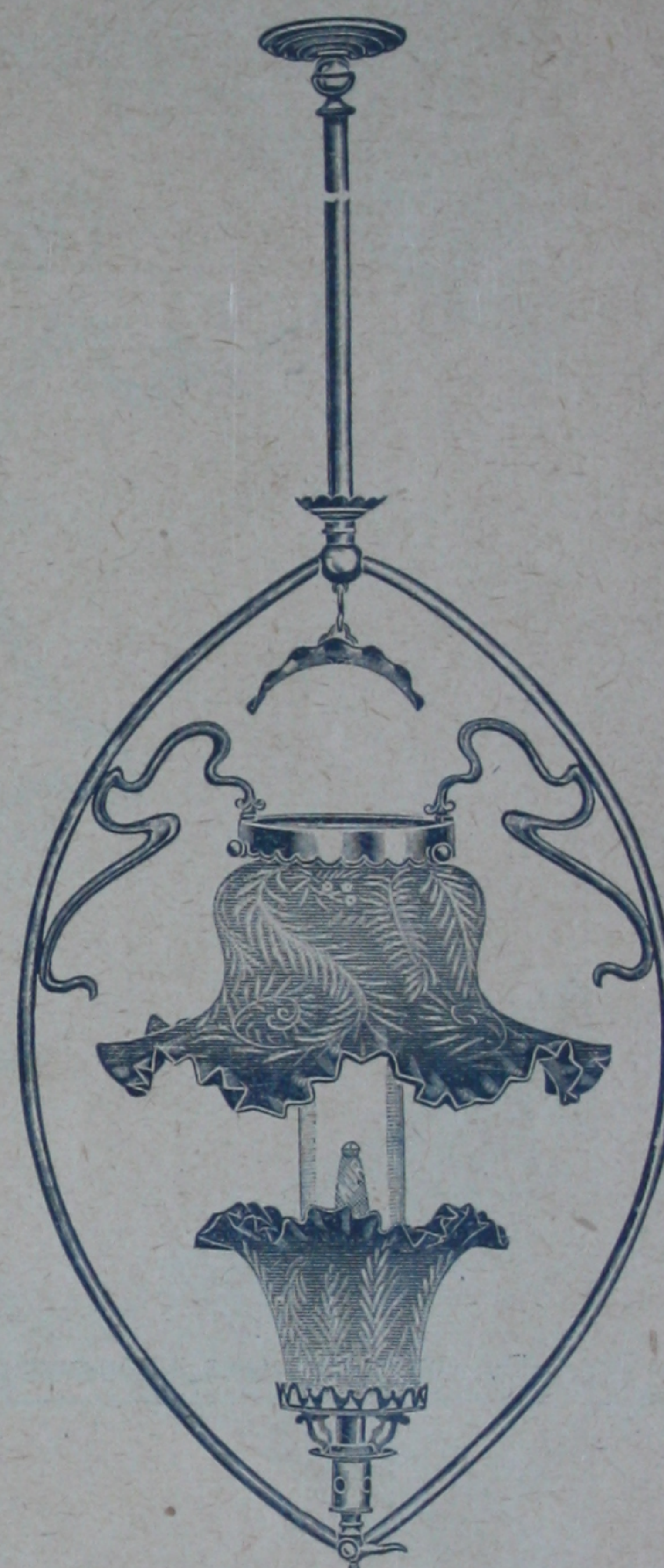
$\frac{1}{2}$ -in. Down Rod $\times$ $\frac{5}{16}$ -in. Body.

Length, 3-ft. 6-in.

With No. W1609. Green Tinted
Manography Glass.

Polished Brass 14/- each.

Antique Copper 16/- „



No. W2204.

$\frac{1}{2}$ -in. Down Rod $\times$ $\frac{5}{16}$ -in. Body.

Length, 3-ft. 6-in.

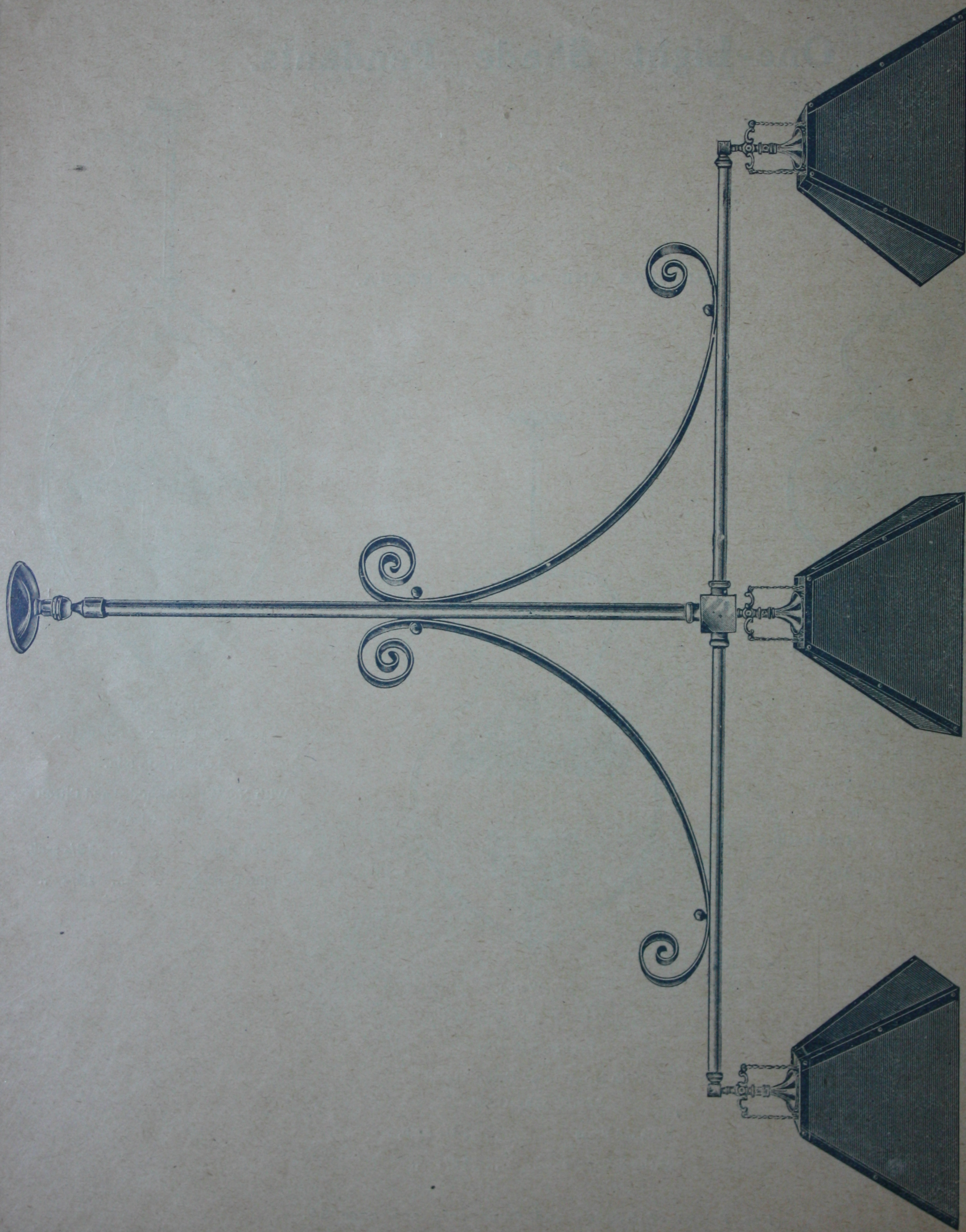
With No. W1607 Moulded and Citron
Tinted Glass.

Polished Brass 13/- each.

Antique Copper 15/- „

For Prices of Shades and Cups only see page 66.

WELSBACH LIGHT



3-Light. Wrought Iron and Brass. Down Rod $\frac{3}{4} \times \frac{1}{2}$ -in. Body $\times 8$ -ft. Spread. Length 6-ft. Pendant only, **57/6** each.

No. W1870.

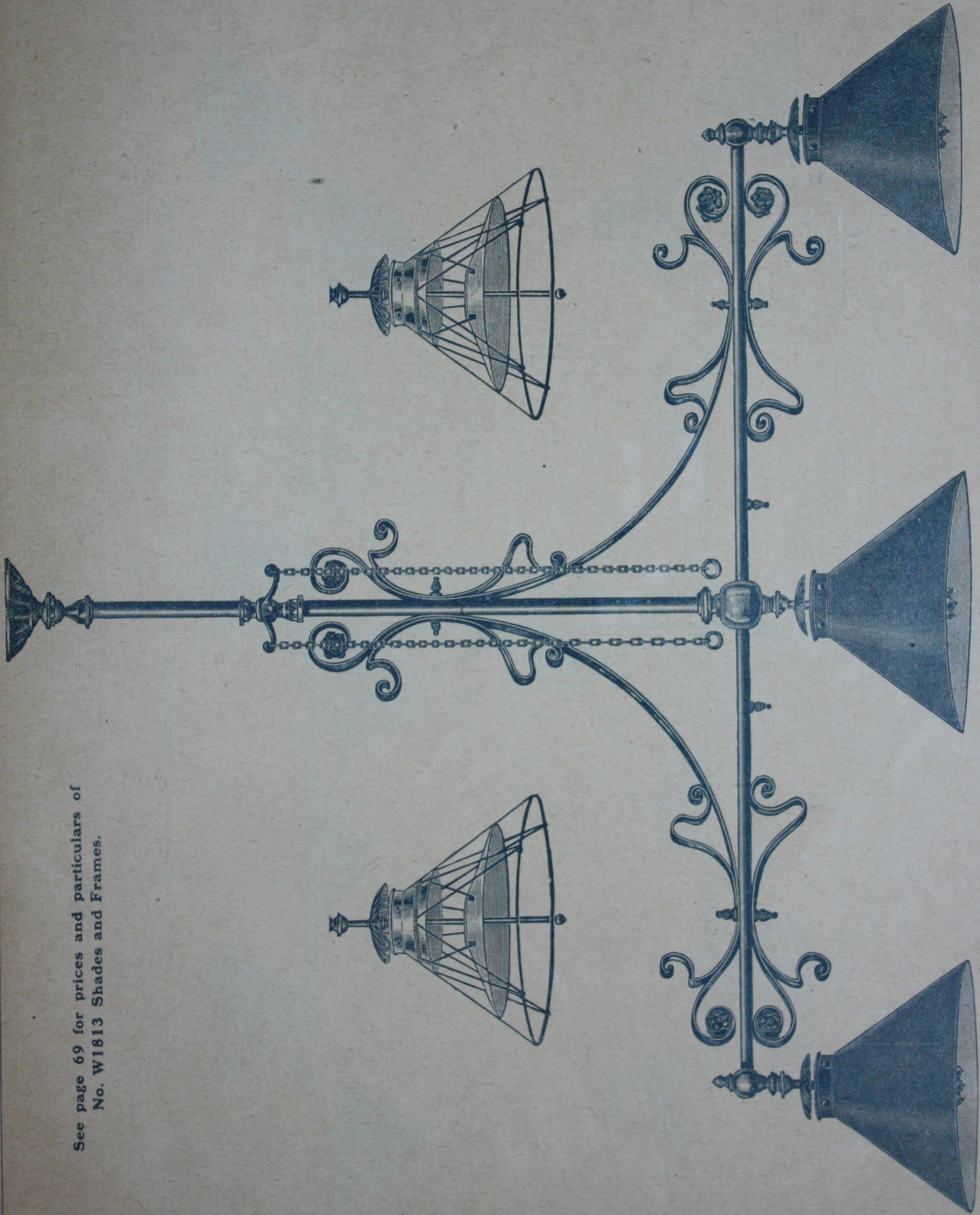
22-in. Square Green Cardboard Shade and Wire Frame, as shown, **5/9** each extra.

No. W1812.

BURNERS AND MANTLES EXTRA.

WELSBACH LIGHT

See page 69 for prices and particulars of
No. W1813 Shades and Frames.

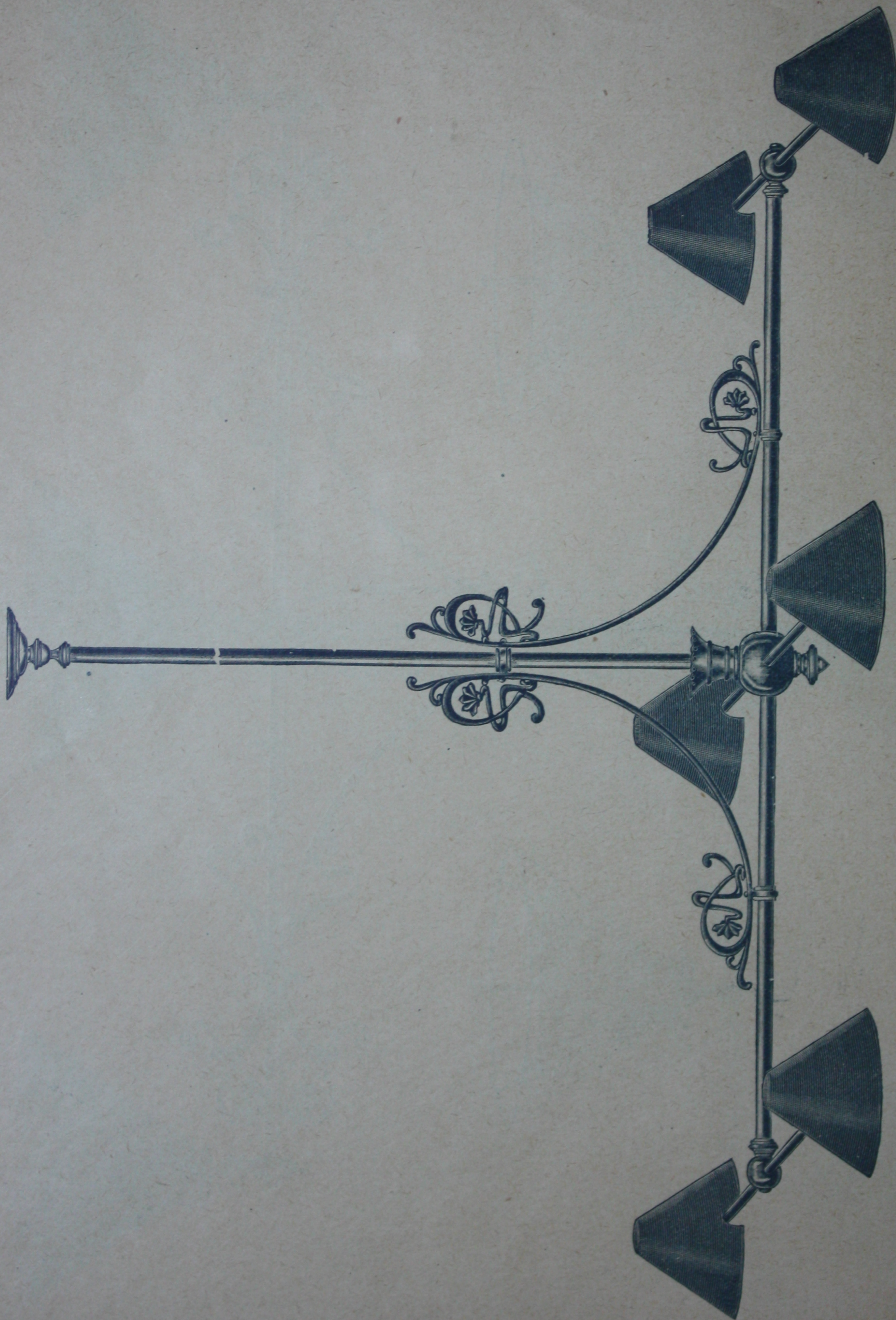


No. W2127.

Wrought Iron and Copper Billiard Fitting.

Down Rod $\frac{1}{2}$ -in. Body $\frac{1}{2}$ -in. 3-Light, fitted with cup and ball and lever cock ... **£6 6s. 0d. each.**
Suitable for Upright or Inverted Burners. No. W1813 Shades, Frames and Burners extra. Made to Order.

WELSBACH LIGHT



Polished Brass or Steel Bronzed Billiard Fitting.			
No. W2125.	4-Light	Down Rod 1½-in.	Body ¾-in. Arms ¾-in. Spread 7-ft. 6-in.
...	...	...	\$7 10s. 0d. each.
No. W2126.	6-Light	...	\$8 10s. 0d. "

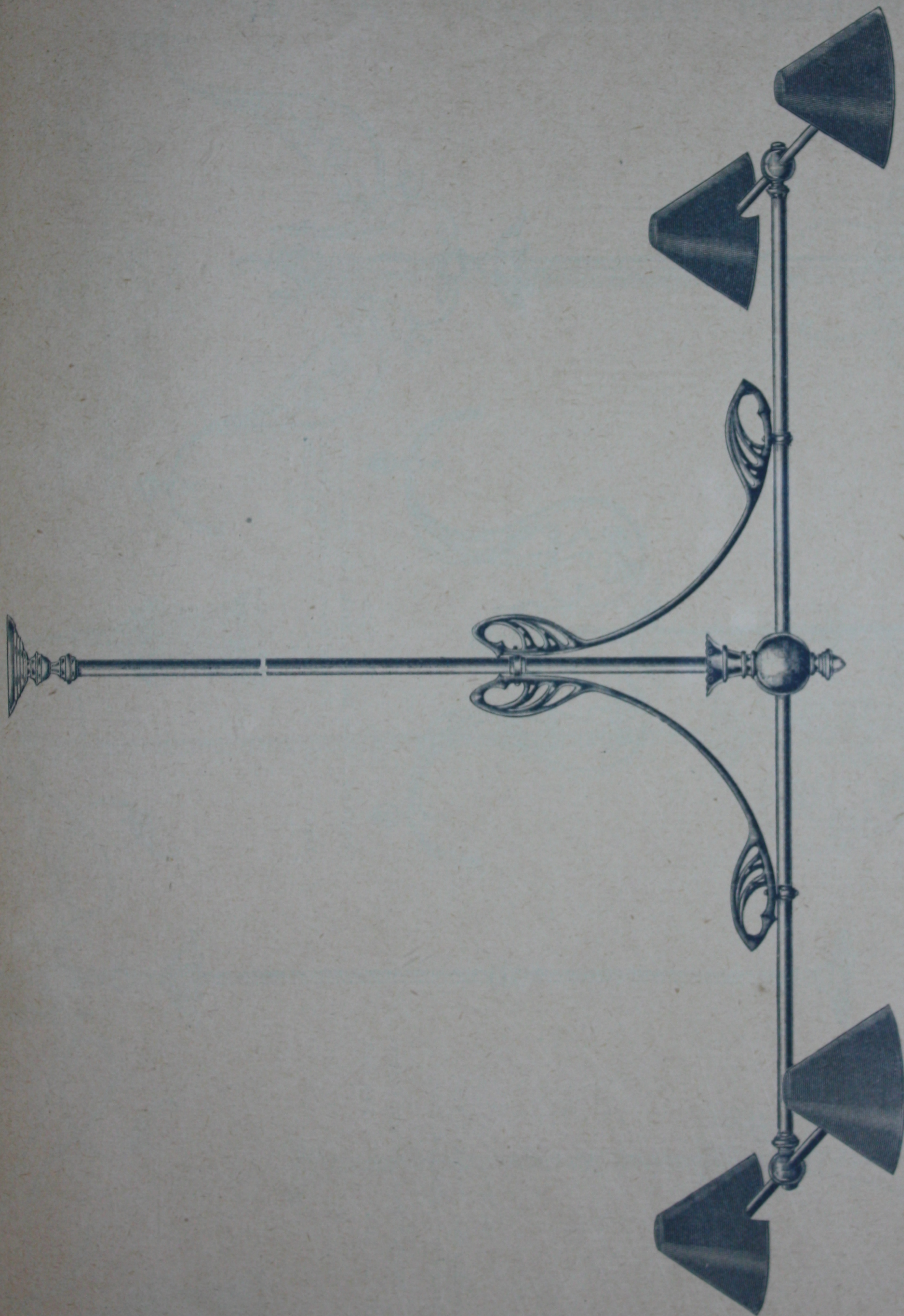
Burners, Shades, and Frames extra.

Made to order.

State whether required for Upright or Inverted Burners.

See page 69 for Illustrations and Prices of Adapters, Shades, etc.

WELSBACH LIGHT



Polished Brass or Steel Bronzed Billiard Fitting. Down Rod 1½-in. Body ½-in. Arms ¾-in. Spread 7-ft. 6-in.

No. W2123. 4-Light ...	...	...	...	...	£7 0s. 0d. each.
No. W2124. 6-Light ...	...	...	...	...	£8 0s. 0d. "

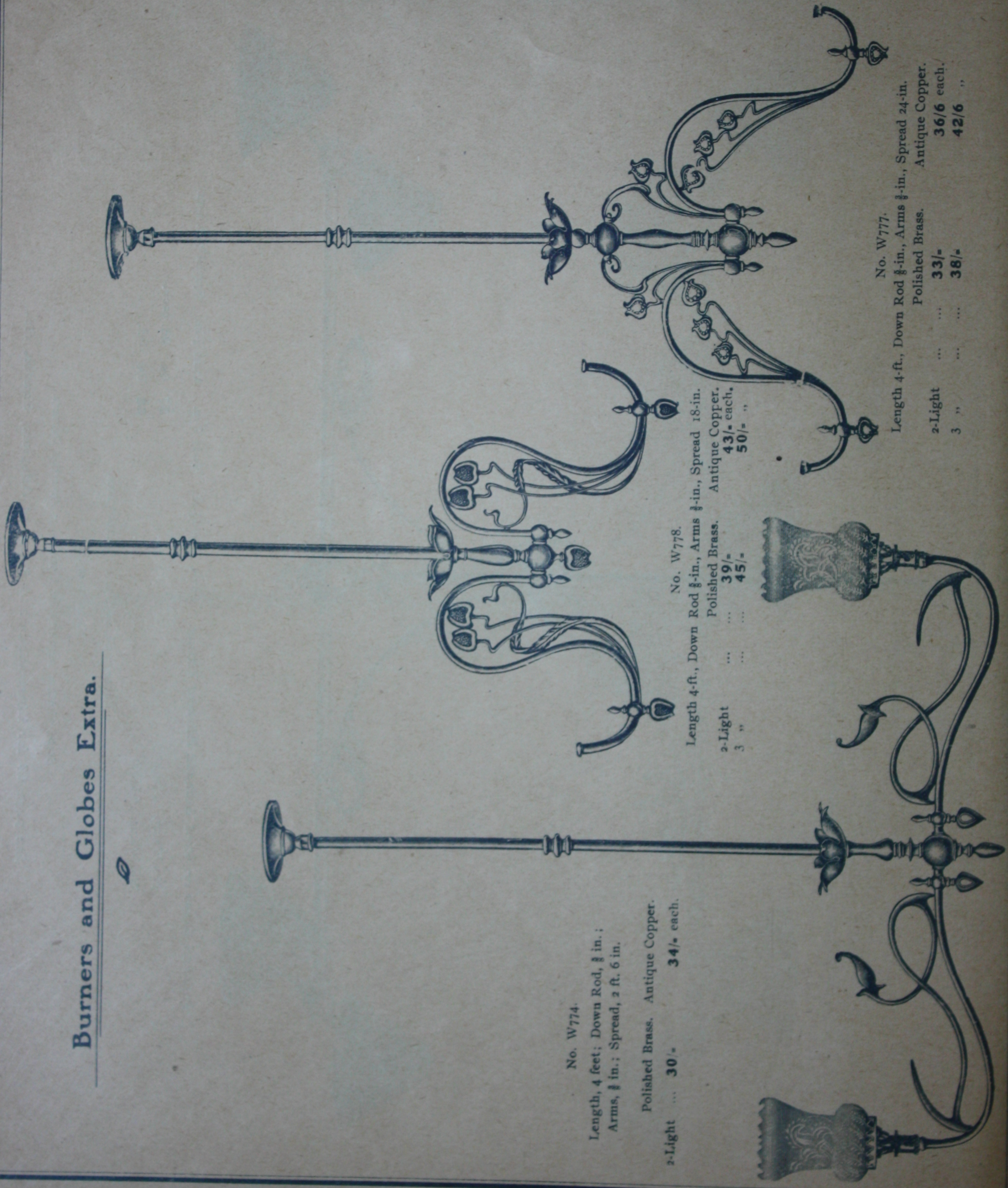
Burners, Shades, and Frames extra.

Made to order.

State whether required for Upright or Inverted Burners.

See page 69 for Illustrations and Prices of Adapters, Shades, etc.

Burners and Globes Extra.



No. W774.

Length, 4 feet; Down Rod, 8 in.;
Arms, 8 in.; Spread, 2 ft. 6 in.

Polished Brass. Antique Copper.
2-Light ... 30/- 34/- each.

No. W778.

Length 4-ft., Down Rod 8-in., Arms 8-in., Spread 18-in.
Polished Brass. Antique Copper.
2-Light ... 39/- 43/- each.
3 " " " 45/- 50/- "

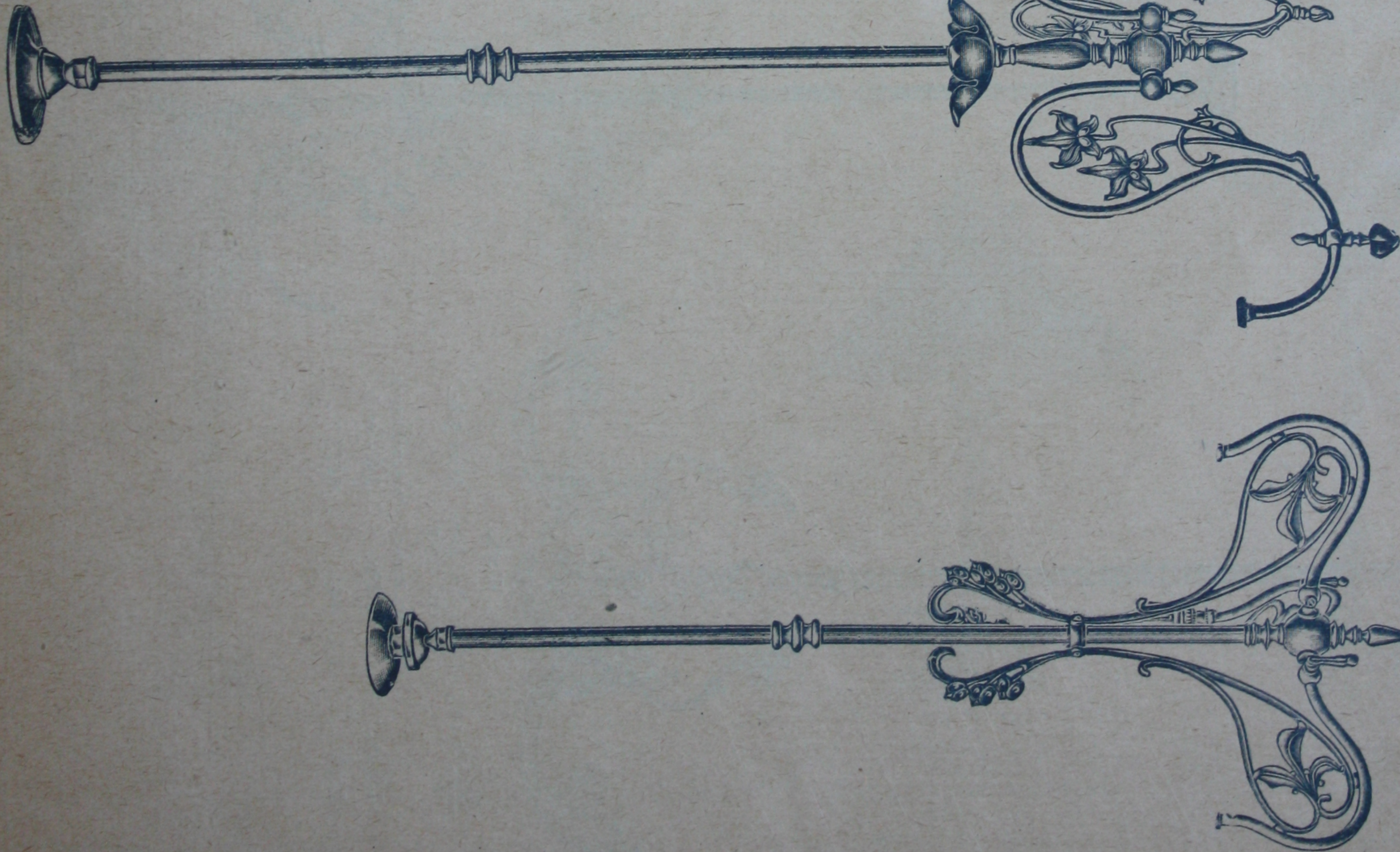
No. W777.

Length 4-ft., Down Rod 8-in., Arms 8-in., Spread 24-in.
Polished Brass. Antique Copper.
2-Light ... 33/- 36/- each.
3 " " " 38/- 42/- "

WELSBACH LIGHT

TWO AND THREE-LIGHT PENDANTS.

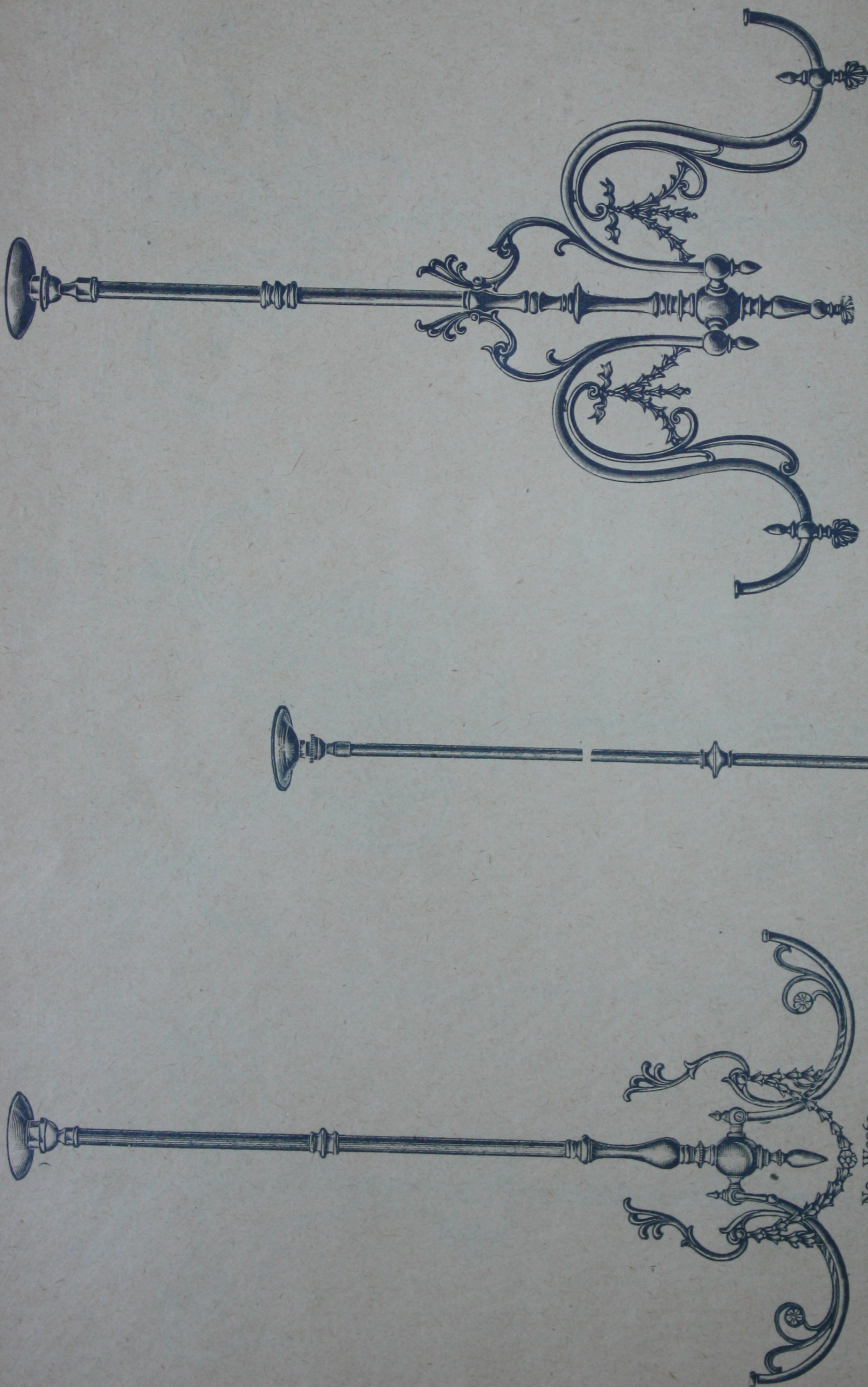
BURNERS AND GLOBES
EXTRA.



No. W2064.		No. W783.		No. W2063.	
Length 4-ft.	Down Rod 8-in. Spread 14-in.	Arms 8-in.	Length 4-ft.	Down Rod 8-in. Spread 17-in.	Arms 8-in.
2-Light ...	Polished Brass. ...	Antique Copper. ...	2-Light ...	Polished Brass. ...	Antique Copper ...
3-Light ...	29/-	30/3 each.	3-Light ...	30/9	32/3 each.
	37/6	39/3		39/6	41/3

WELSBACH LIGHT

TWO AND THREE-LIGHT PENDANTS.



No. W2069.

Length 4-ft. Down Rod 8-in. Arms 8-in. Spread 18-in.

	Polished Brass.	Antique Copper.
2-Light...	32/6	34/- each.
3-Light...	44/-	46/3 "

No. W2070.

Length 4-ft. Down Rod 8-in. Arms 8-in. Spread 24-in.

	Polished Brass.	Antique Copper.
2-Light ...	41/9	43/6 each.
3-Light ...	55/-	57/9 "

No. W3000.

Length 4-ft. Down Rod 8-in. Arms 8-in. Spread 19-in.

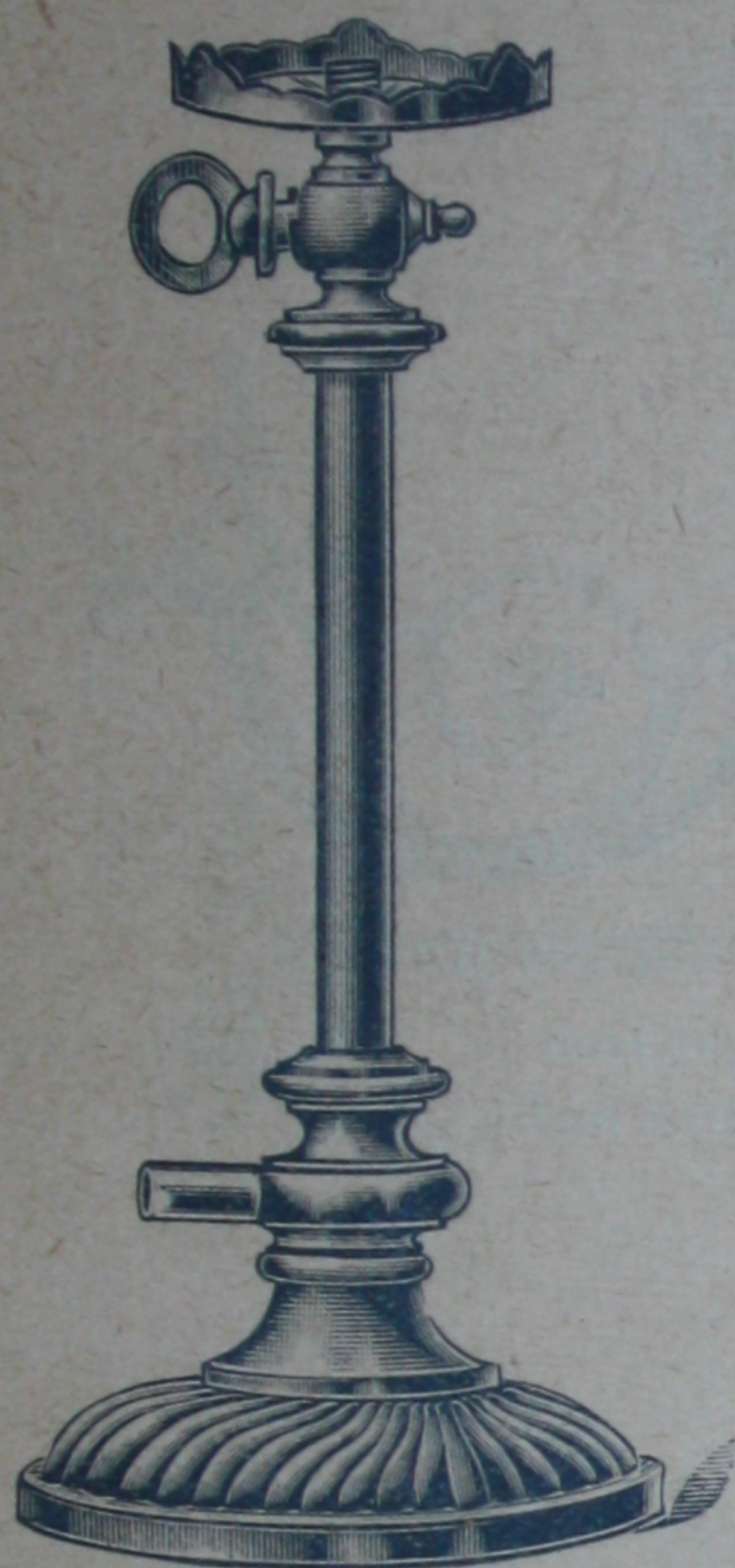
	Polished Brass.	Antique Copper.
Reversible, 2-Light, Upright C or Inverted ...	23/6	26/- each.

BURNERS AND GLOBES EXTRA.



PORTABLE TABLE STANDARDS.

FOR FLEXIBLE TUBE AND CONNECTIONS, SEE PAGE 157.



No. W2147.
8-in. x 12-in.
Polished or Steel Bronzed.
12/6 each.

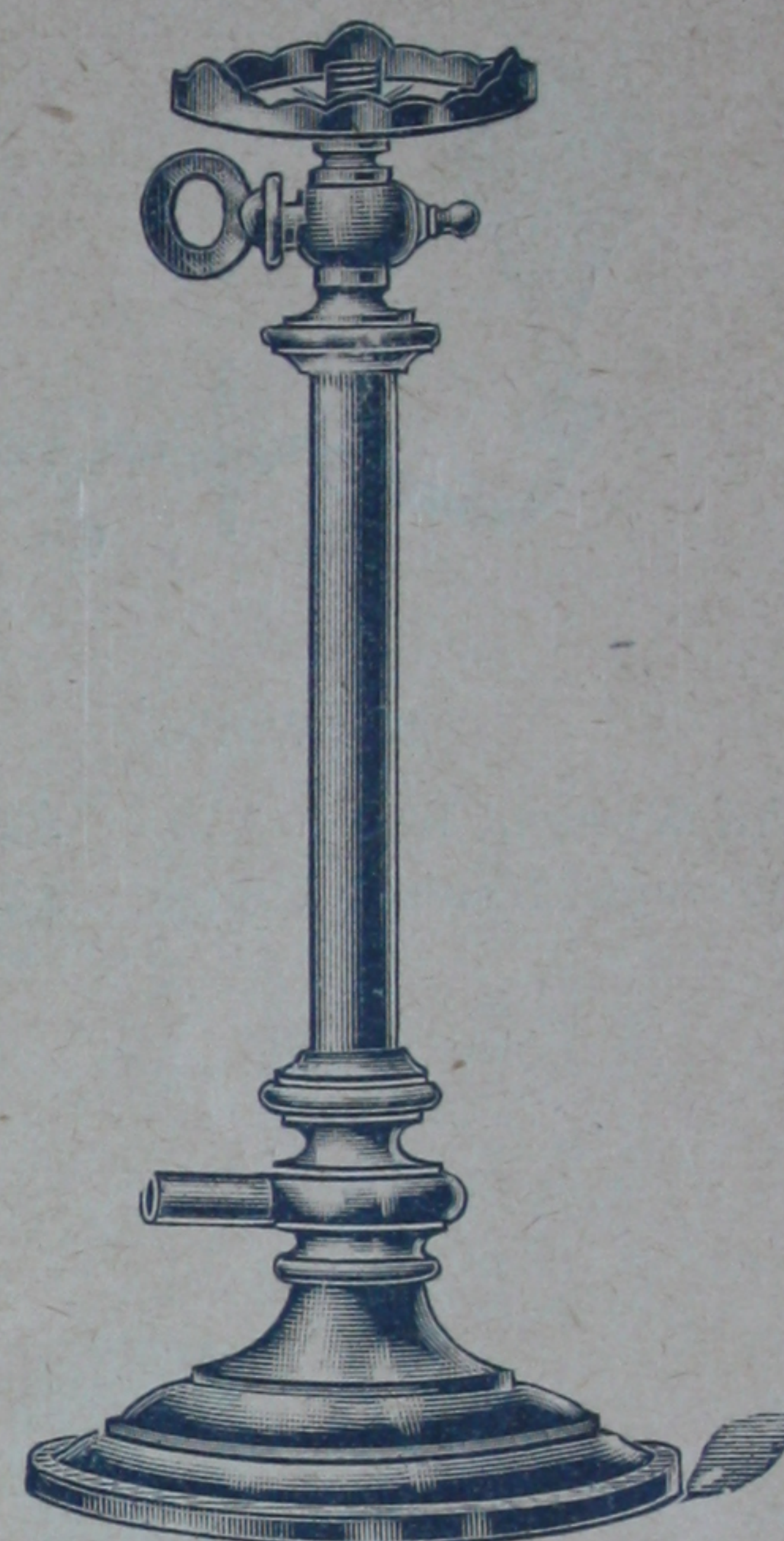
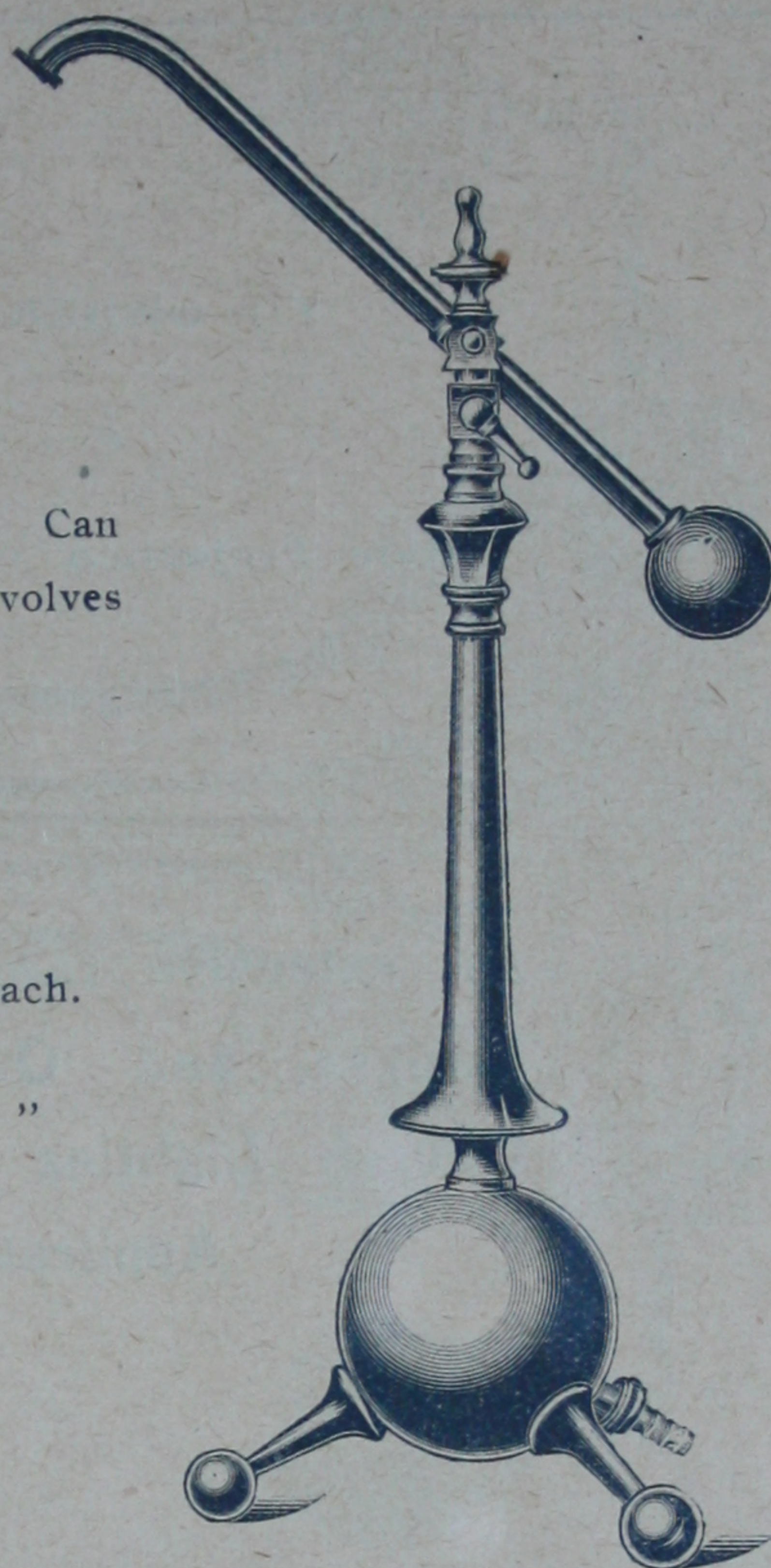
No. W1944.
Fitted with Universal Joint. Can
be fixed at any angle and revolves
round pillar.

Height of Pillar, 16-in.

Radius of Arm, 5-in.

Bronzed **29/-** each.

Polished Brass ... **31/-** „



No. W2148.
8-in. x 12-in.
Polished or Steel Bronzed.
14/- each.



No. W5140.
Steel Bronzed.
14½-in. high.
Without Burner and Shade,
12/6 each.
With No. 3 Kern Burner and
Mantle, Cosmos Shade
and Cup, as illustrated,
20/- each.



No. W5141.
Polished Brass.
17-in. high.
Without Burner and Shade,
14/6 each.
With "C" Burner,
Mantle and Chimney,
Cosmos Shade and Cup,
18/- each.



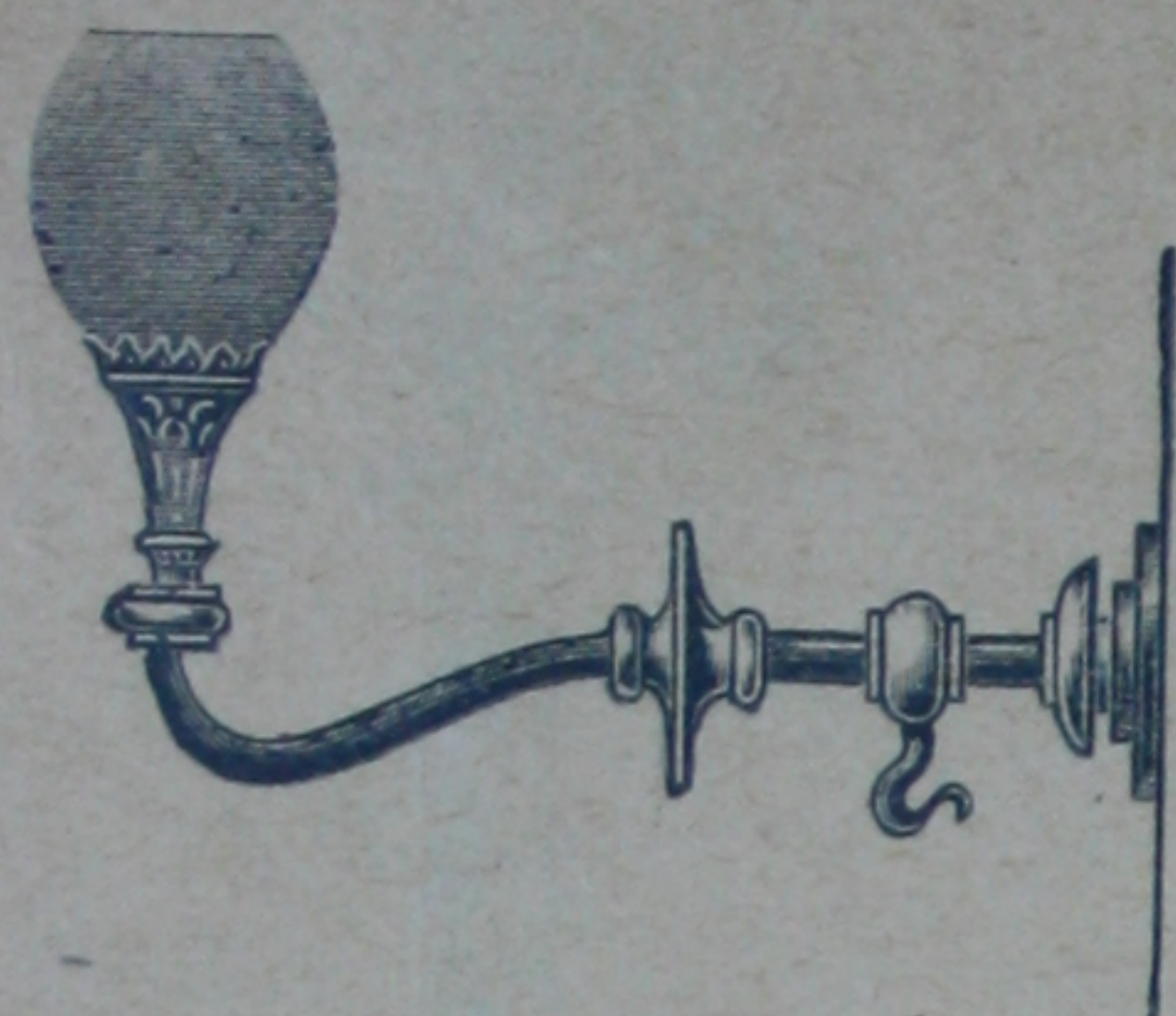
No. W5142.
Polished Brass.
8½-in. high.
Without Burner and Shade,
12/- each.
With "C" Burner,
Mantle and Chimney,
and Green Paper Shade,
15/6 each.



No. W5143.
Polished Brass or Steel Bronzed.
14½-in. high.
Without Burner and Shade,
16/- each.
With No. 3 Kern Burner and
Mantle, Cosmos Shade
and Cup, as illustrated,
23/6 each.

WELSBACH LIGHT

Brackets for Church Lighting.



No. W2180.

All Wrought Iron ... 22/6 each.
Wrought Iron and Copper 32/-

TO ORDER ONLY.

State Projection when ordering.



No. W2183.

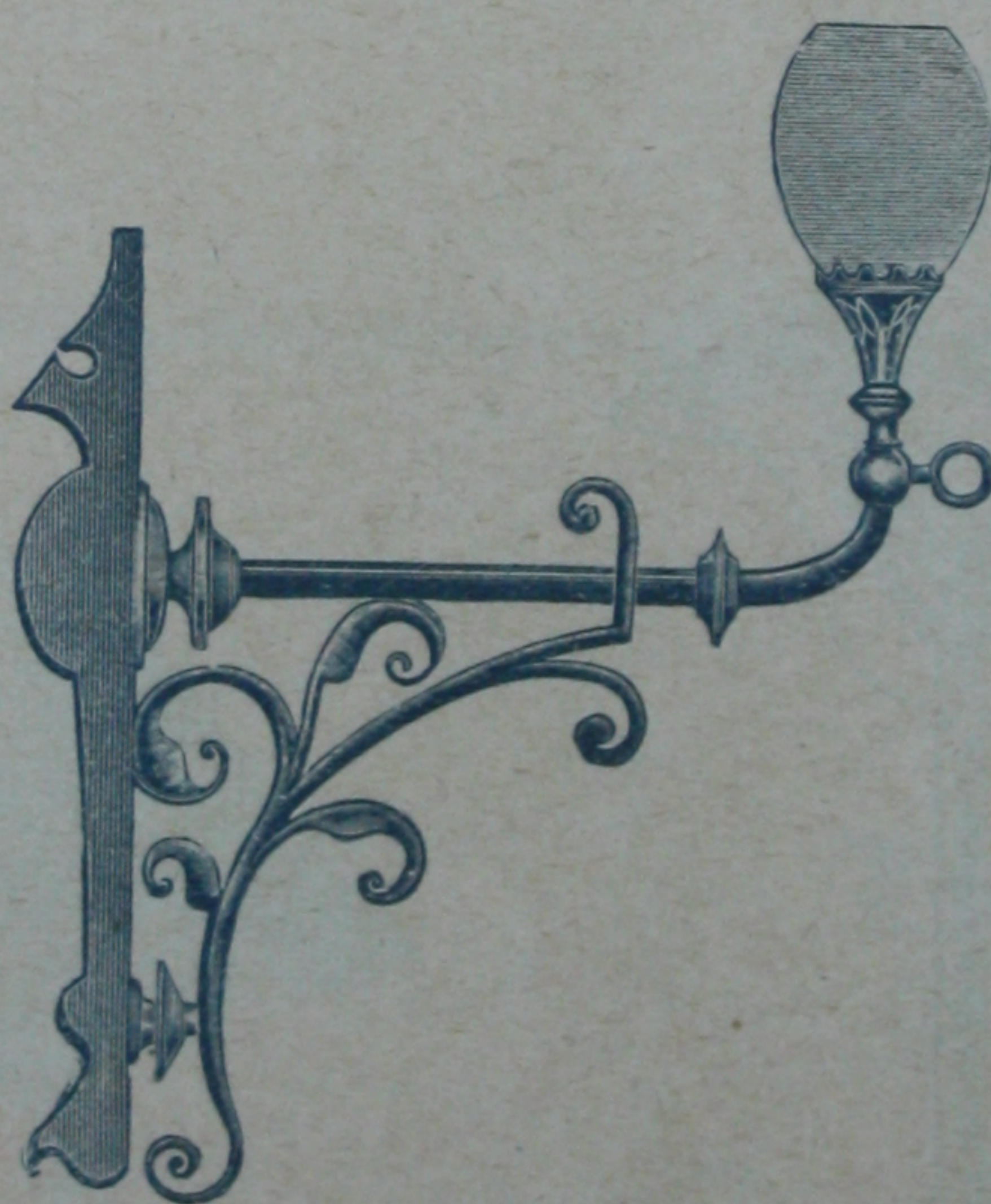
All Wrought Iron ... 56/- each.
Wrought Iron and Copper 67/-

An extensive range of Special
Designs, and Quotations for
Church Lighting submitted on
Application.



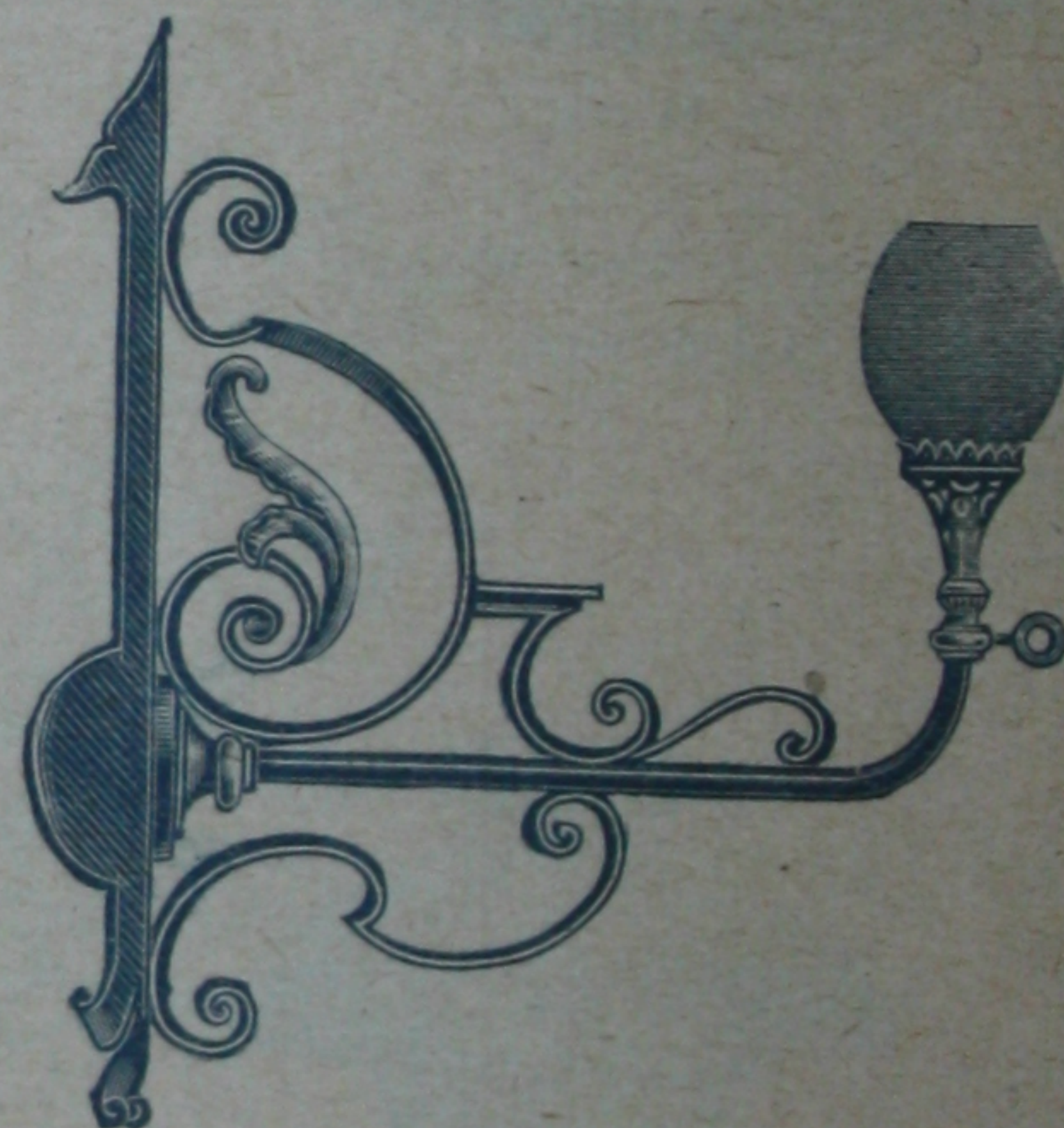
No. W2181.

All Wrought Iron ... 30/- each.
Wrought Iron and Copper 37/6



No. W2184.

All Wrought Iron ... 84/- each.
Wrought Iron and Copper ... 112/-



No. W2185.

All Wrought Iron... 100/- each.
Wrought Iron and Copper 116/-



No. W2182.

All Wrought Iron ... 38/6 each.
Wrought Iron and Copper 48/6

BURNERS AND GLASS EXTRA



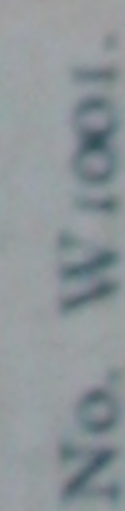
No. W2186.

All Wrought Iron ... 98/6 each.
Wrought Iron and Brass 105/-

TO ORDER ONLY.

44

An extensive range of Special Designs, and Quotations for Church Lighting submitted on Application.



Length 4-ft. 6-in. Band 2-ft. diameter and 4-in. deep. Down Rod $\frac{3}{4}$ -in. Arms $\frac{1}{2}$ -in.

No. W1001A.

CHURCH CORONA FOR INVERTED OR UPRIGHT BURNERS.

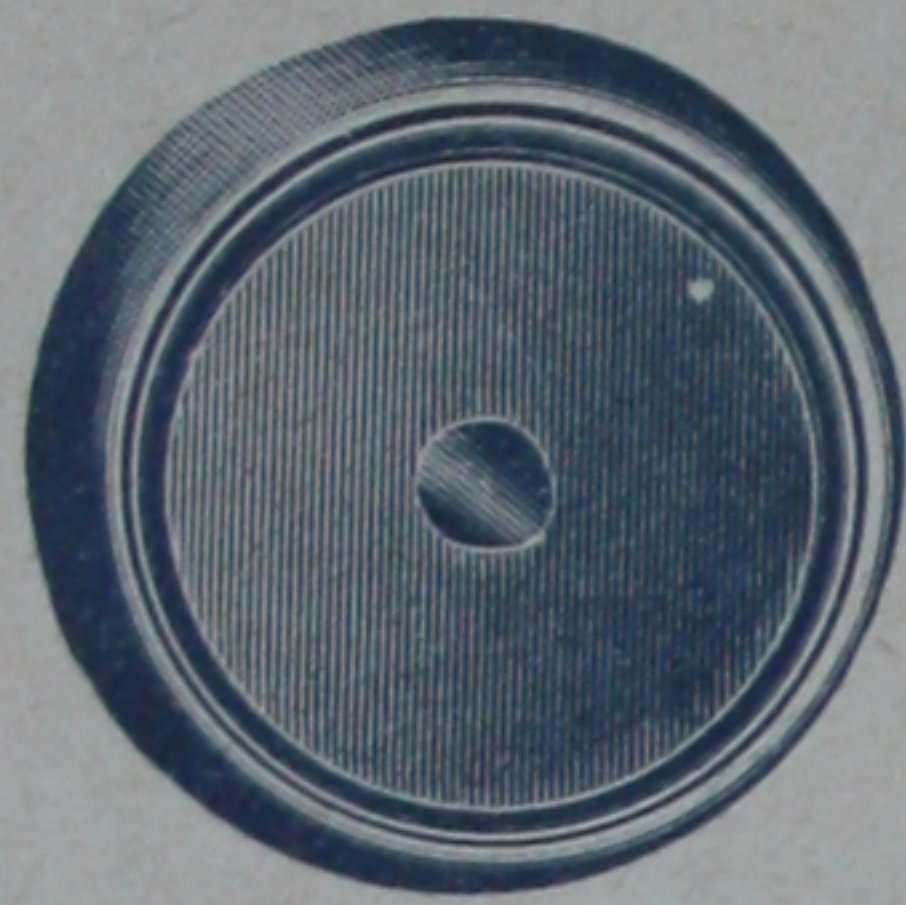
6-Light (for 5 Angle and 1 Pendant Burners), Wrought Iron and Polished Brass,	28 5s. 0d.
5 " (for 4 " and 1 ")	27 7s. 0d.
4 " (for 3 " and 1 ")	28 5s. 0d.

BURNERS AND GLASS EXTRA.



WELSBACH GAS WOOD BLOCKS.

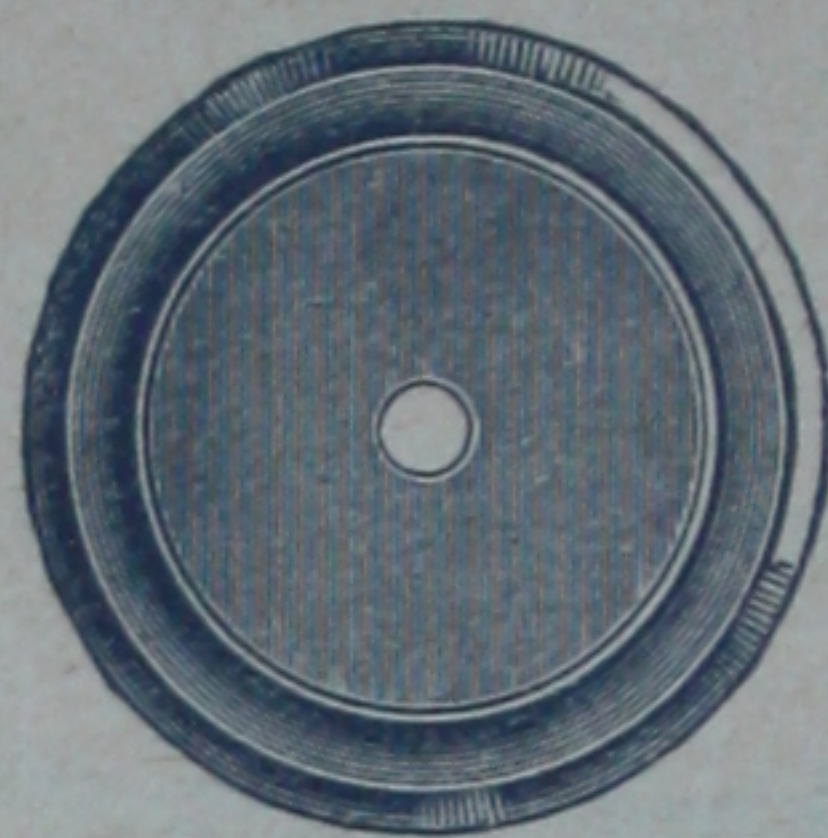
ALL BLOCKS MEASURED AT BACK.



No. W6091.

Imitation Mahogany or Walnut.
Varnished.

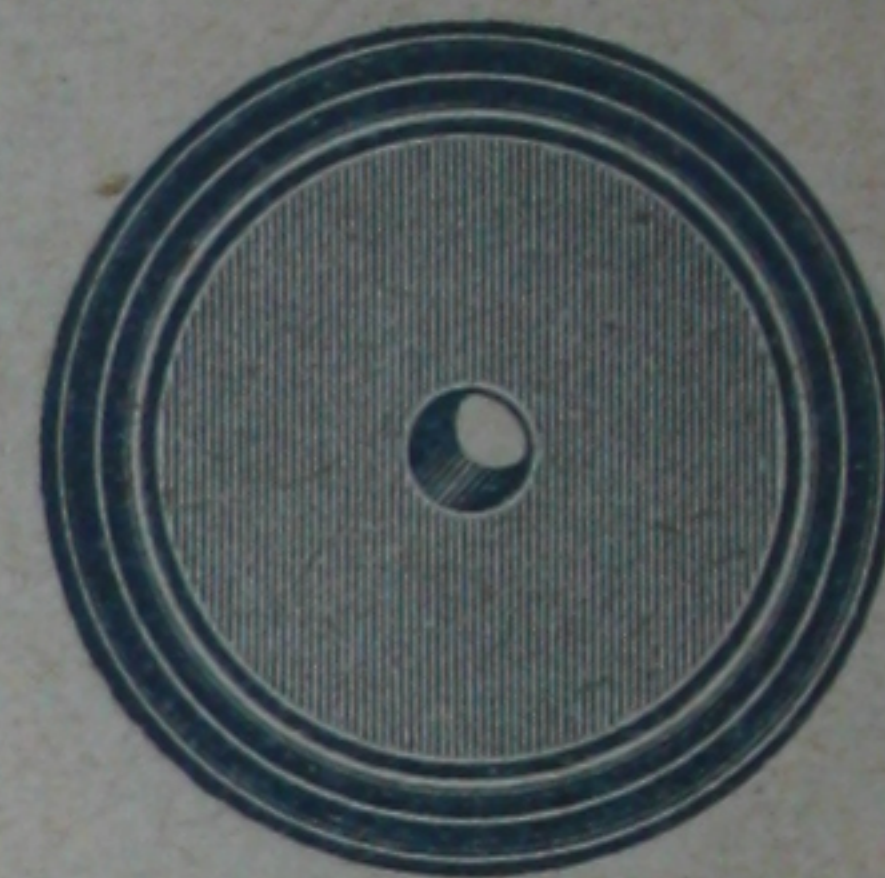
3½ 4 4½ 5 5½ 6-in.
21/- 24/- 26/- 28/- 36/- 42/6 per gross.



No. W5065.

Best Quality Wood Gas Blocks.
Polished Imitation Mahogany, Black,
or Walnut.

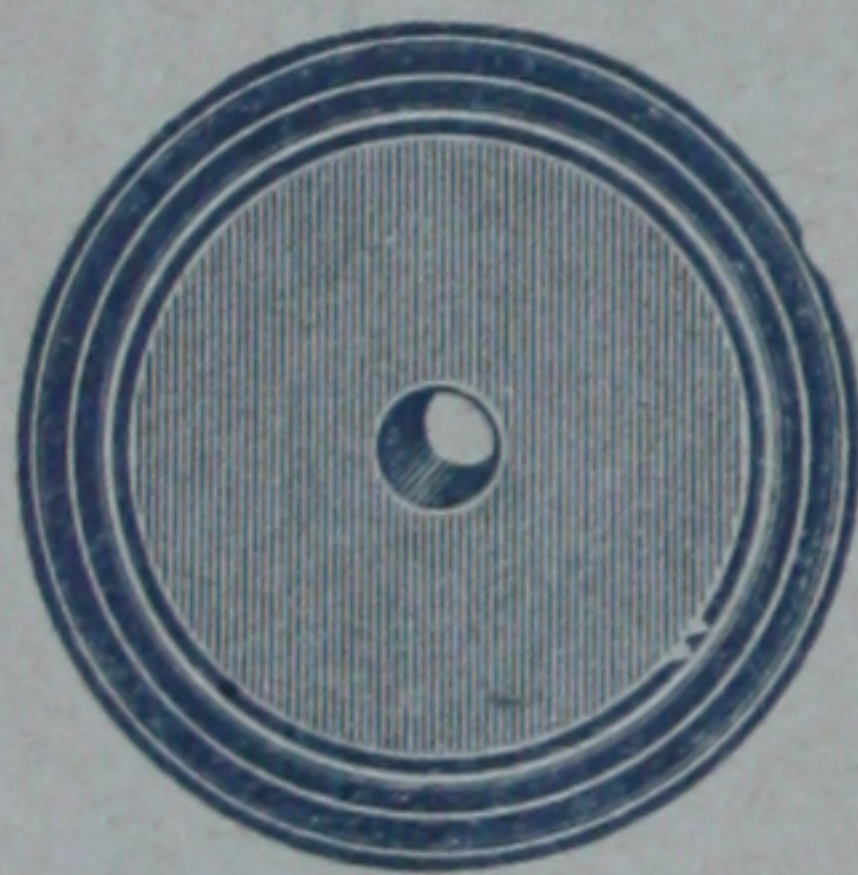
3½ 4 4½ 5 5½ 6-in.
25/- 30/- 36/- 42/- 48/- 60/- per gross.



No. W6092.

Best Quality Wood.
Imitation Mahogany or Walnut.

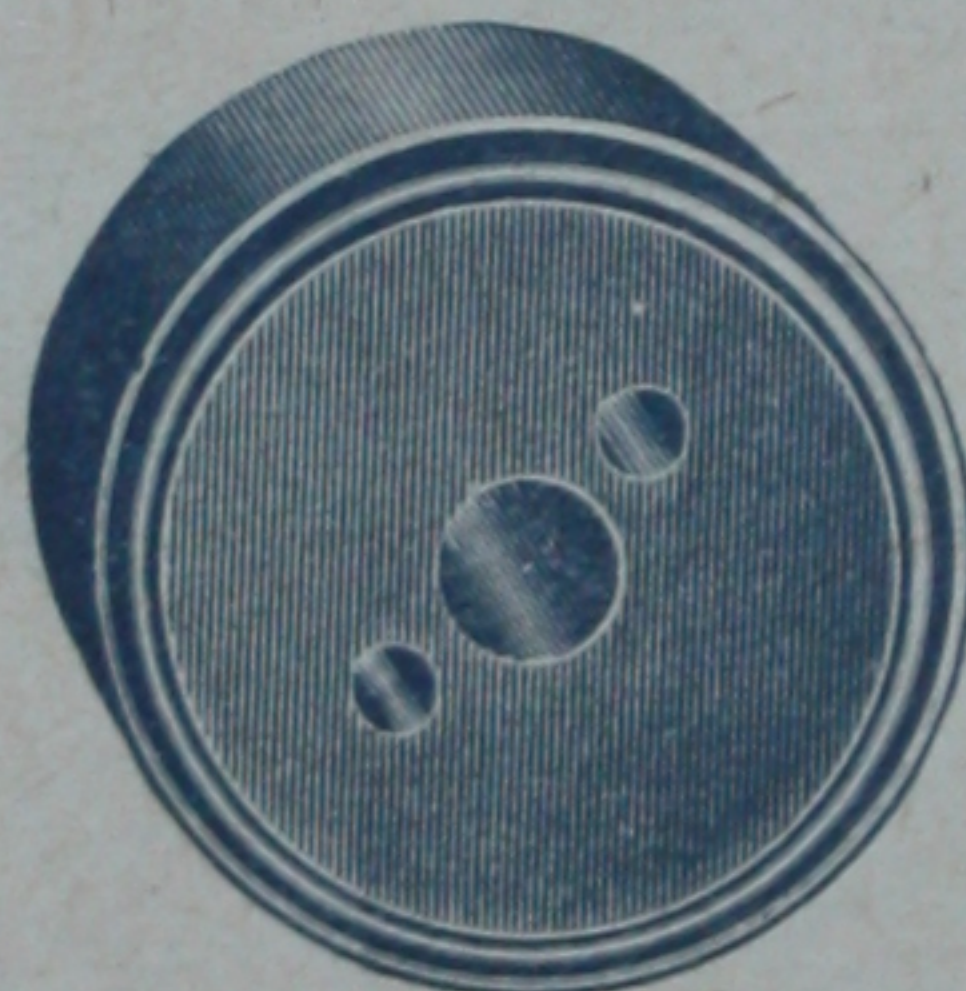
3½ 4 4½ 5 5½ 6-in.
30/- 35/- 40/- 45/- 50/- 60/- per gross.



No. W6093.

Best Quality Wood,
White Enamelled.

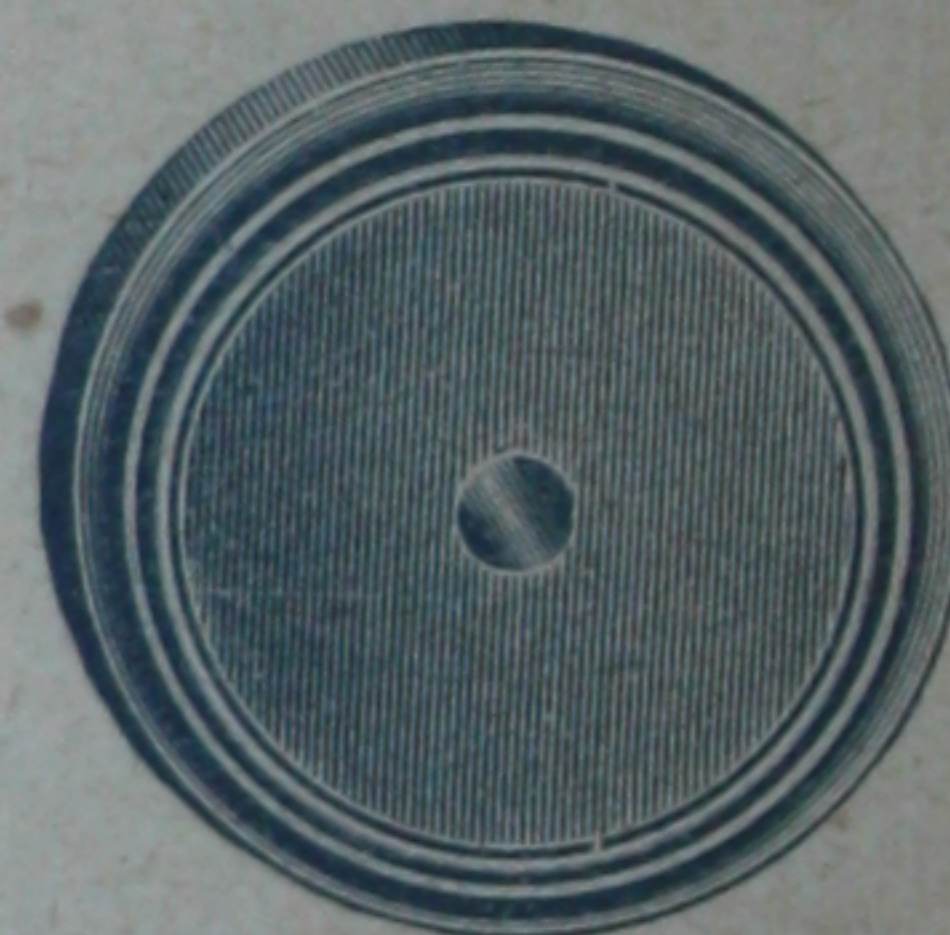
4½ 5 5½ 6-in.
42/- 50/- 58/- 65/- per gross.



No. W6090.

Imitation Mahogany.
1½-in. thick.

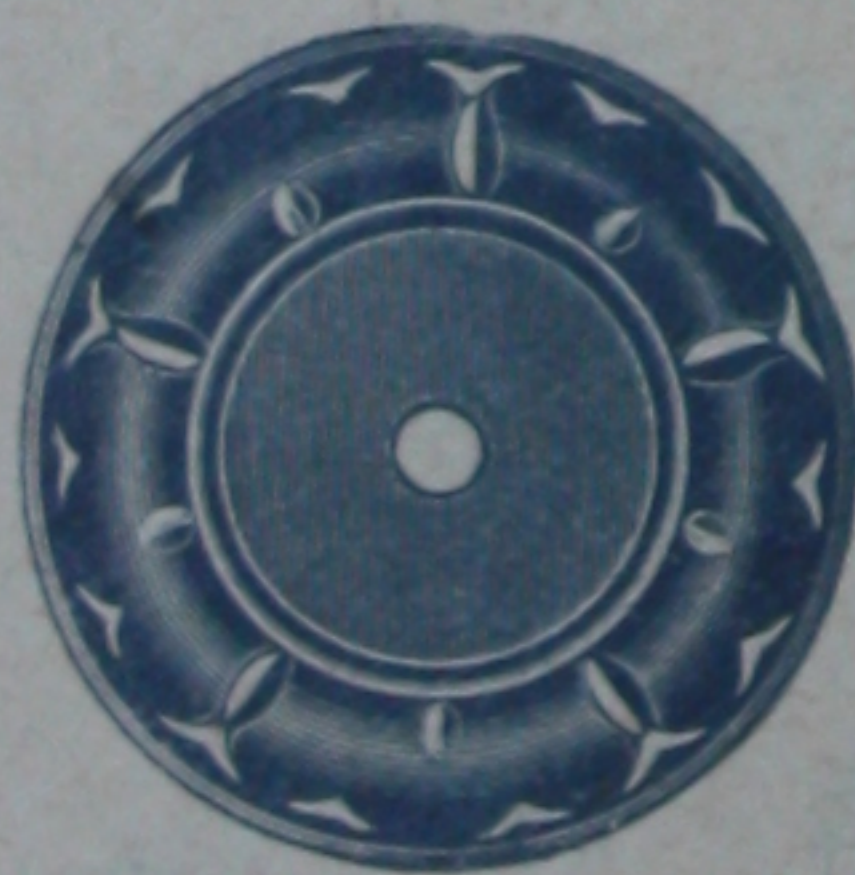
3½ 4 5-in.
40/- 42/- 70/- per gross.



No. W5067.

Best Quality Solid Walnut.

3½ 4 4½ 5 5½ 6-in.
60/- 70/- 85/- 95/- 115/- 130/- per gross.



No. W5066.

Polished, Ebonized, and Carved White.

3½ 4 4½ 5 5½ 6-in.
60/- 65/- 75/- 90/- 96/- 105/- per gross.

Imitation Oak, Mahogany, or Walnut, Carved.

3½ 4 4½ 5 5½ 6-in.
45/- 50/- 60/- 63/- 72/- 76/- per gross.



No. W1974.

Shaped Wood Blocks.
Ebonized, Walnut, Mahogany,
or White Enamelled.

2/9 each.



No. W5068.

Best Quality Wood Gas Blocks.
Polished Imitation Walnut, Carved.

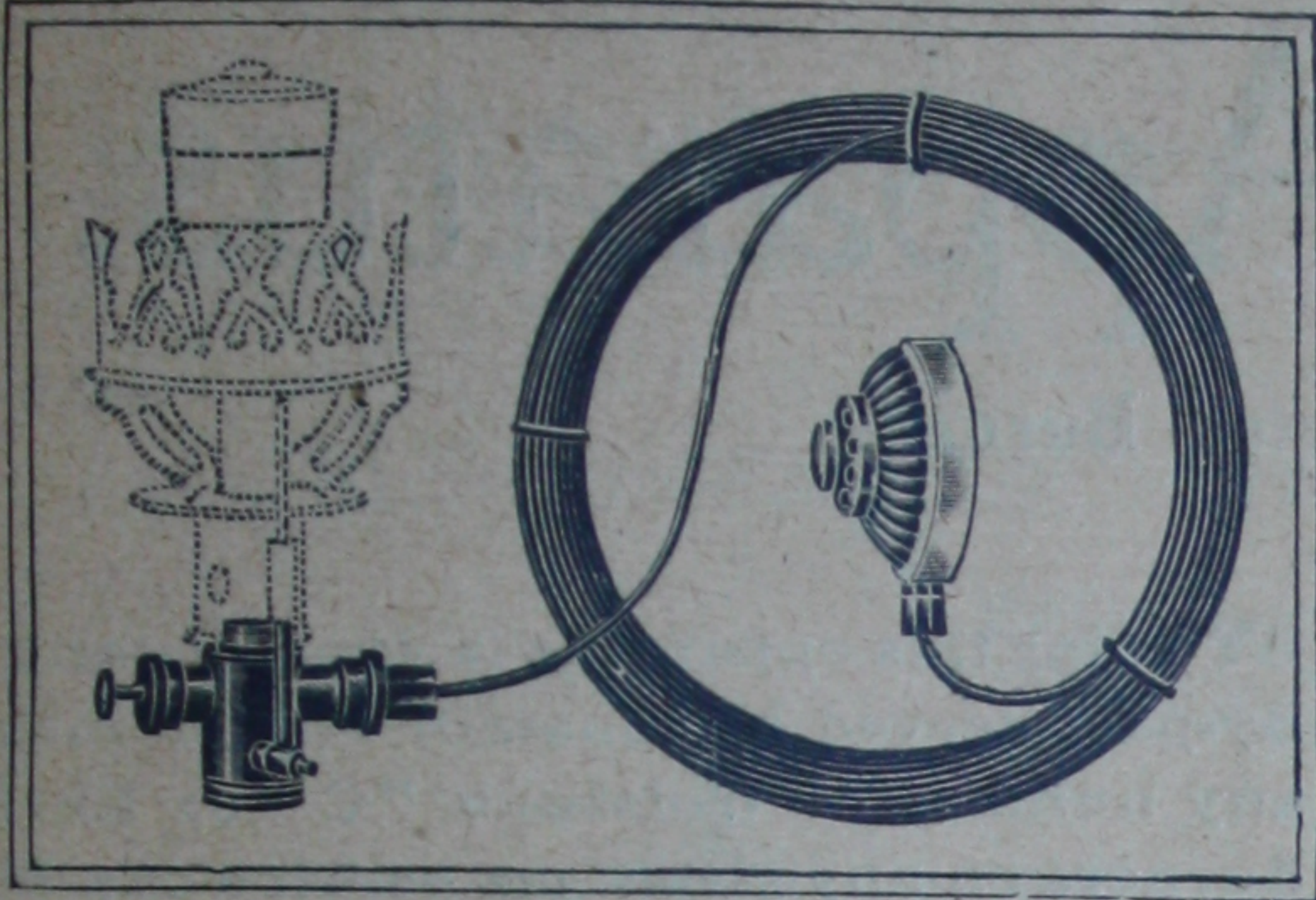
3½ 4 4½ 5 5½ 6-in.
85/- 95/- 112/- 135/- 150/- 160/- per gross.

WELSBACH LIGHT

THE PNEUMATIC DISTANCE GAS LIGHTER.

WORKED BY AIR PRESSURE ONLY.

COMPLETE APPARATUS FOR UPRIGHT OR INVERTED BURNERS.



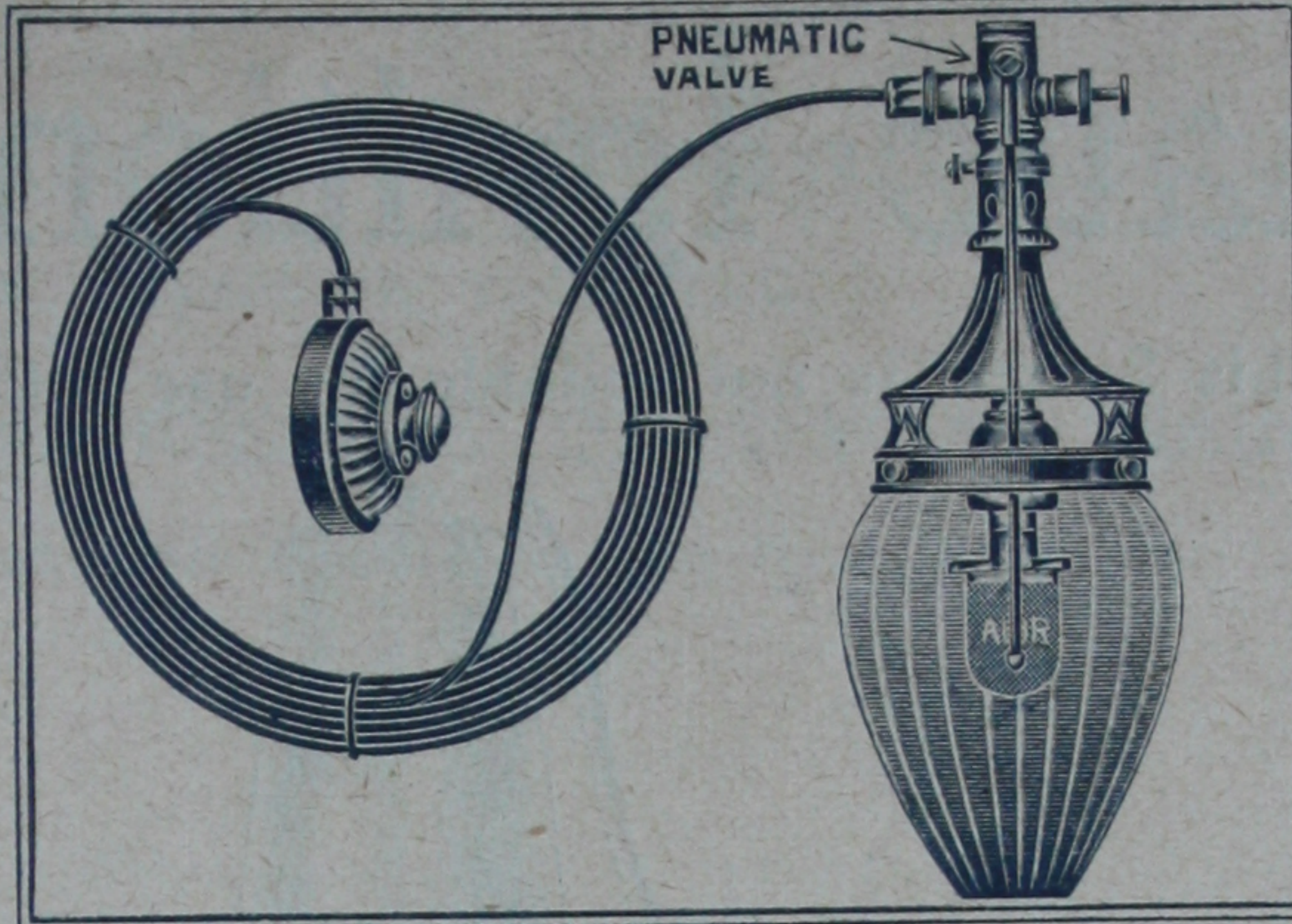
No. P5138.

PRICES.

No. of Lights
 With brass push ... 10/8 19/2 26/4 35/- 42/- 49/8 each.
 With brass switch, } 12/- 20/10 This switch will only
 tumbler action } work 1 and 2 lights.
 When ordering for Inverted Burners it is necessary to
 say so, a different type of valve being required.

P195.

Thin Copper Tubing, 6d. per yard,
 or 3/8 per coil of 24 feet.



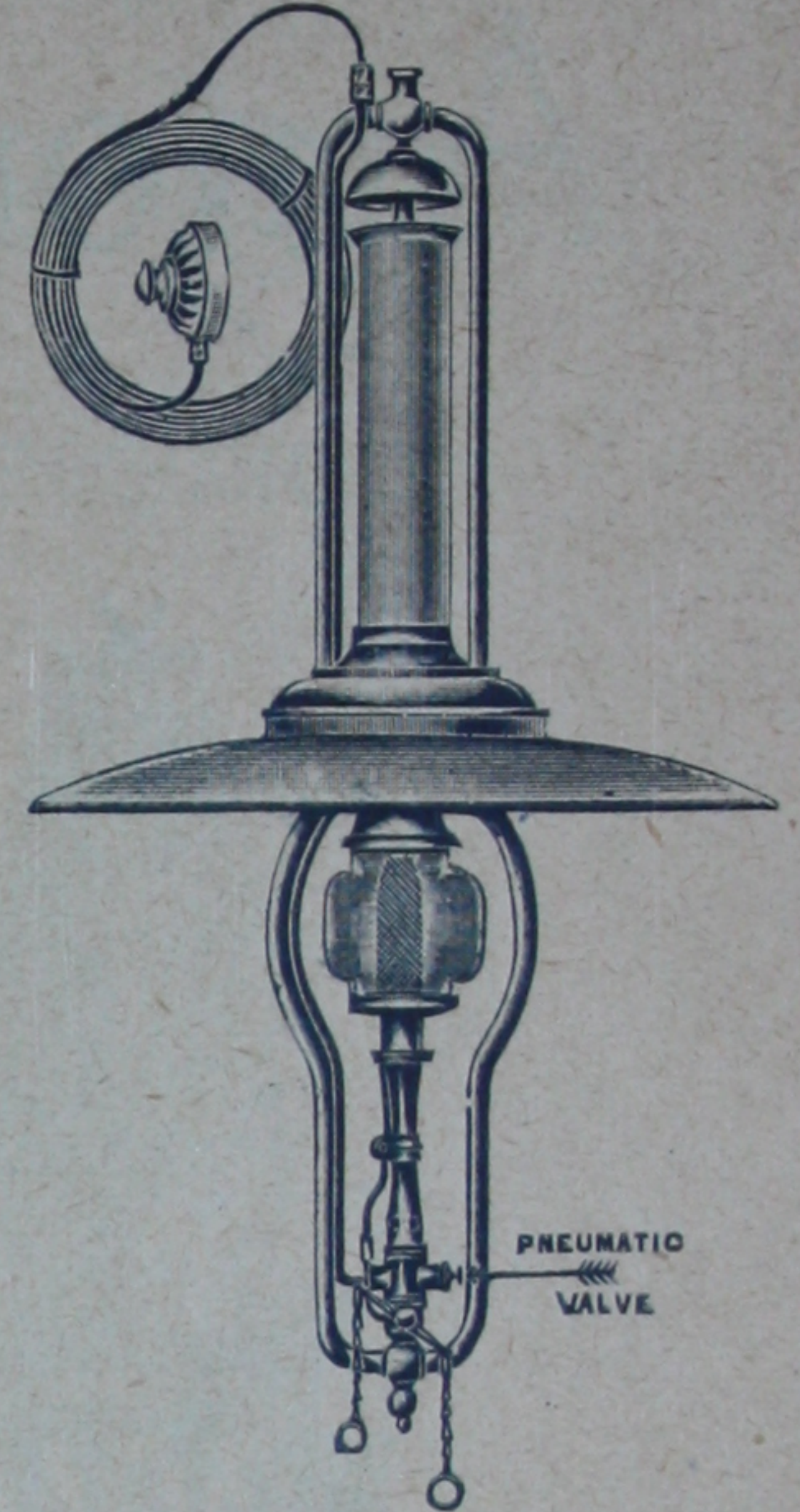
No. P3534.

Complete Sets for Inverted Burners.

Number of Lights 1 2 3 4 5 6
 Price 10/10 20/- 27/8 36/6 44/10 52/- each.

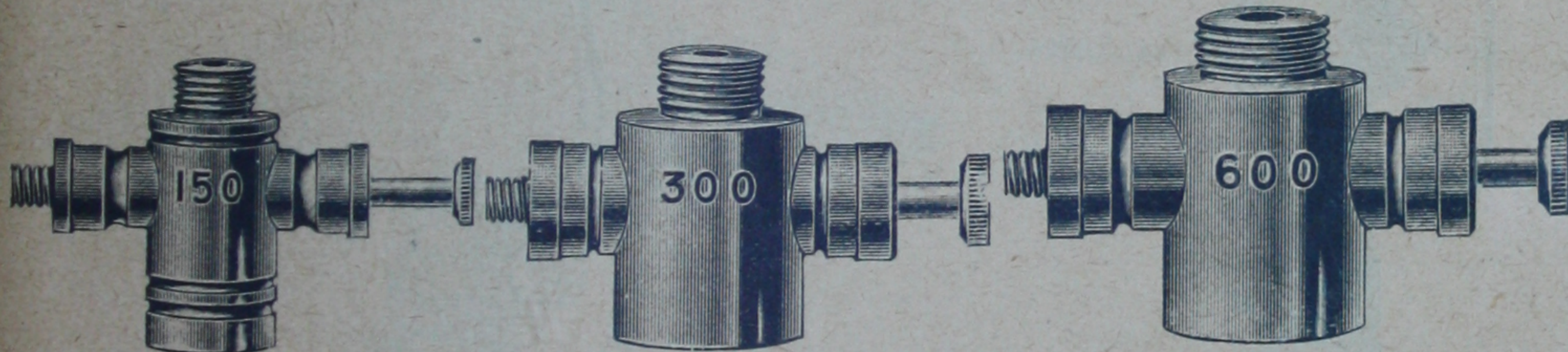
P198.

Large Copper Tubing to be used for large lamps,
 cluster lighting or long distances, 8d. per yard,
 or 5/4 per coil of 24 feet.



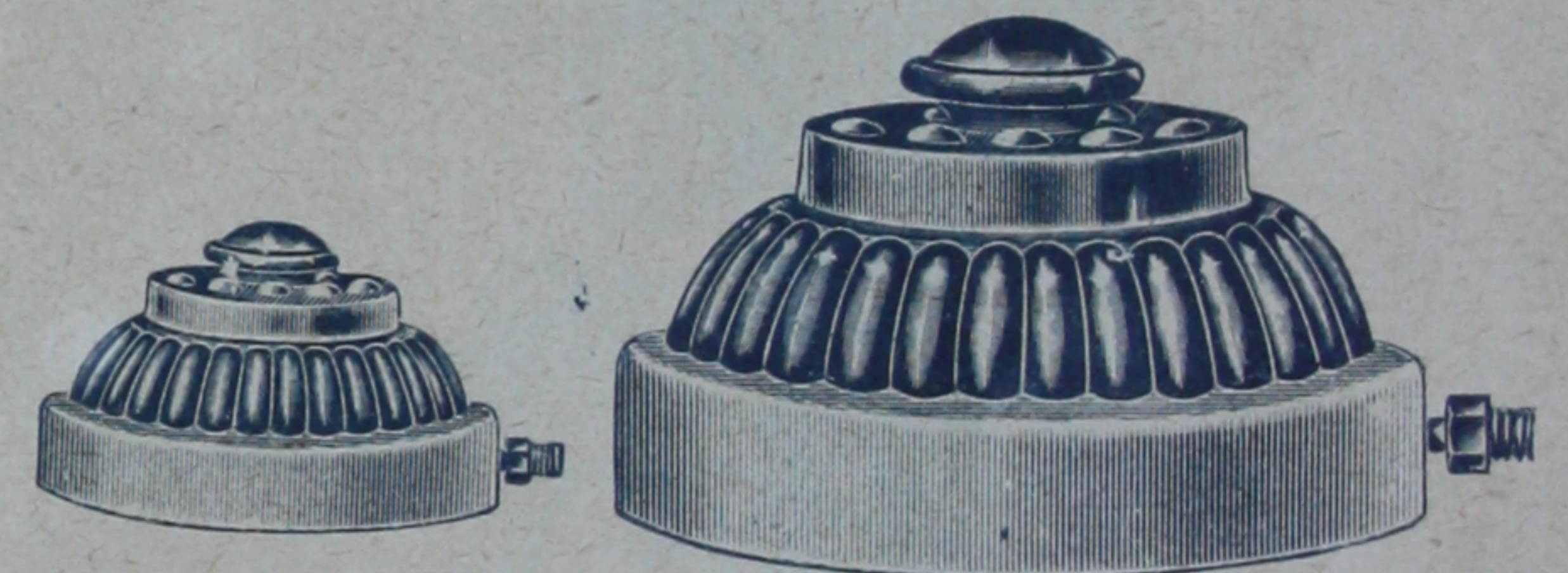
NEW LARGE "WELSBACH" VALVES.

Known as P135a, P137a and P138a, specially made to fit the 3 sizes of
 Welsbach Self-Intensifying Lamps, and stamped 150, 300 and 600 c.p.



P135a. Screwed 3-in. brass. 6/2 each.
 Complete Set with switch and 24-ft. air tube (small size) 11/6
 P137a. Screwed 1-in. iron. 8/- each.
 Complete Set with switch and 24-ft. air tube (larger size) 15/6
 P138a. Screwed 8-in. iron. 9/8 each.
 Complete Set with switch and 24-ft. air tube (larger size) 17/-
 NOTE.—These Valves are not fitted with by-passes. The pilot light is on the lamp taps.

SWITCHES.



Switch to work

1 light up to 72 feet
 2 lights " 24 "

P152. 2/8 each.

Switch to work

4 lights up to 144 feet
 5 " " 96 "
 6 " " 72 "
 8 " " 24 "
 P154. 4/10 each.

ACCESSORIES.

BRASS JOINTS AND CONNECTIONS.



Cone. P165.
 1/- dozen.
 For larger Tube
 order P165A.

Cap. P166.
 1/6 dozen.
 For larger Tube
 order P166A.

Socket Union.
 P168.
 2/1 dozen.

Tee.
 P170.
 3/- dozen.

3-Light Body.
 P181.
 4/10 dozen.

CONNECTION RINGS.

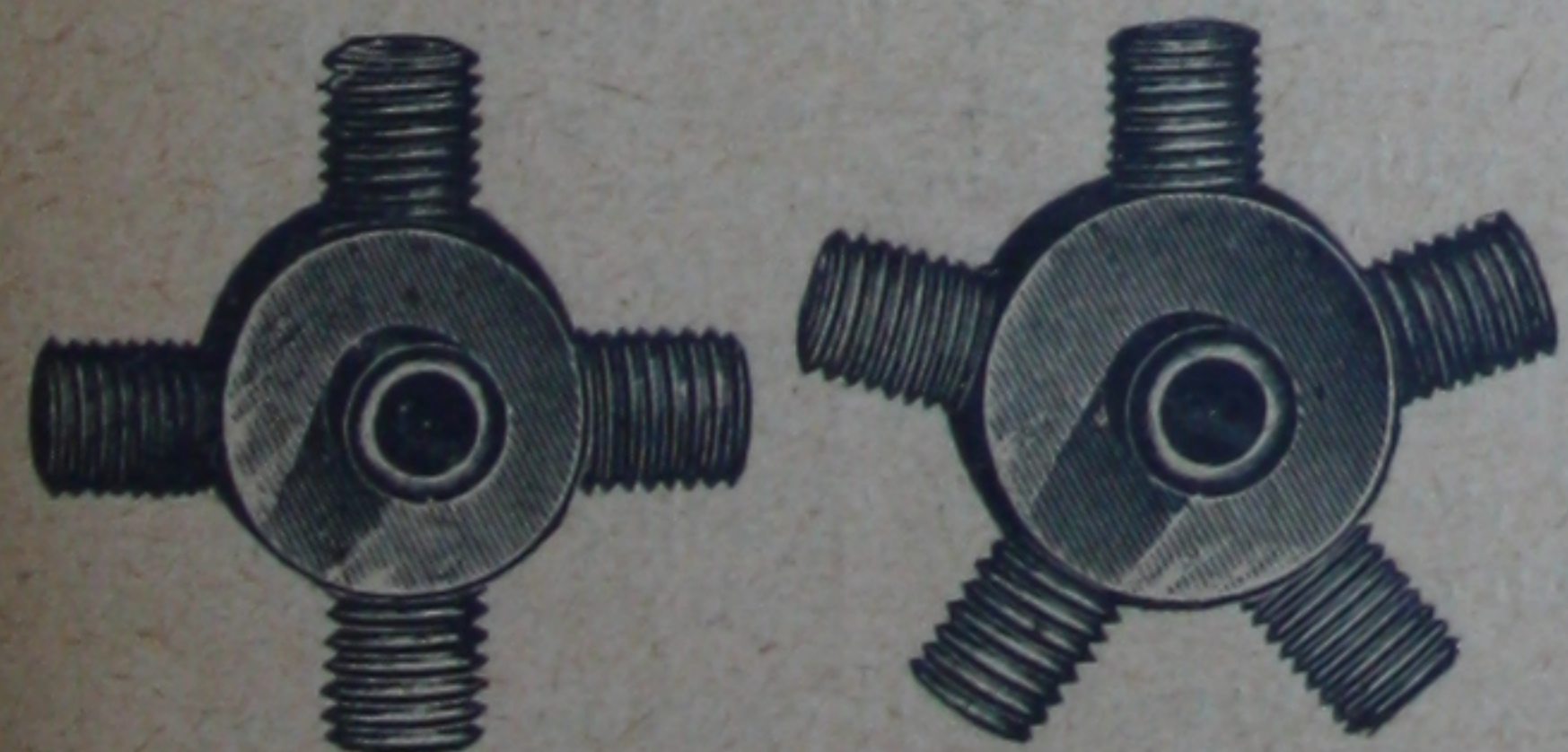
P285.

For connecting several
 Valves to one Switch on
 Pendants and Chandeliers.
 Can also be used for
 Circular By-passes.

2, 3, and 4 ways, Polished
 or Bronzed, 2/- each.

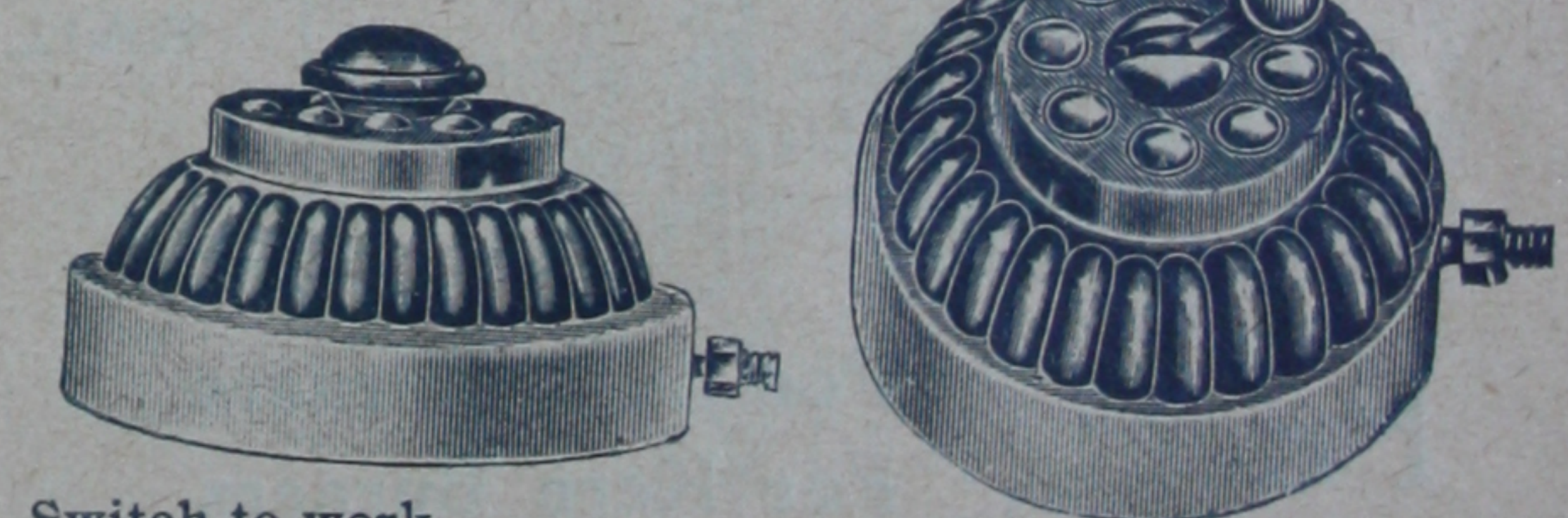
5 and 6 ways, Polished or
 Bronzed, 2/4 each.

Stock sizes 1 1/2 to 2 1/2-in. hole.



4-Light Body.
 P183.
 4/10 dozen.

5-Light Body.
 P184.
 8/6 dozen.



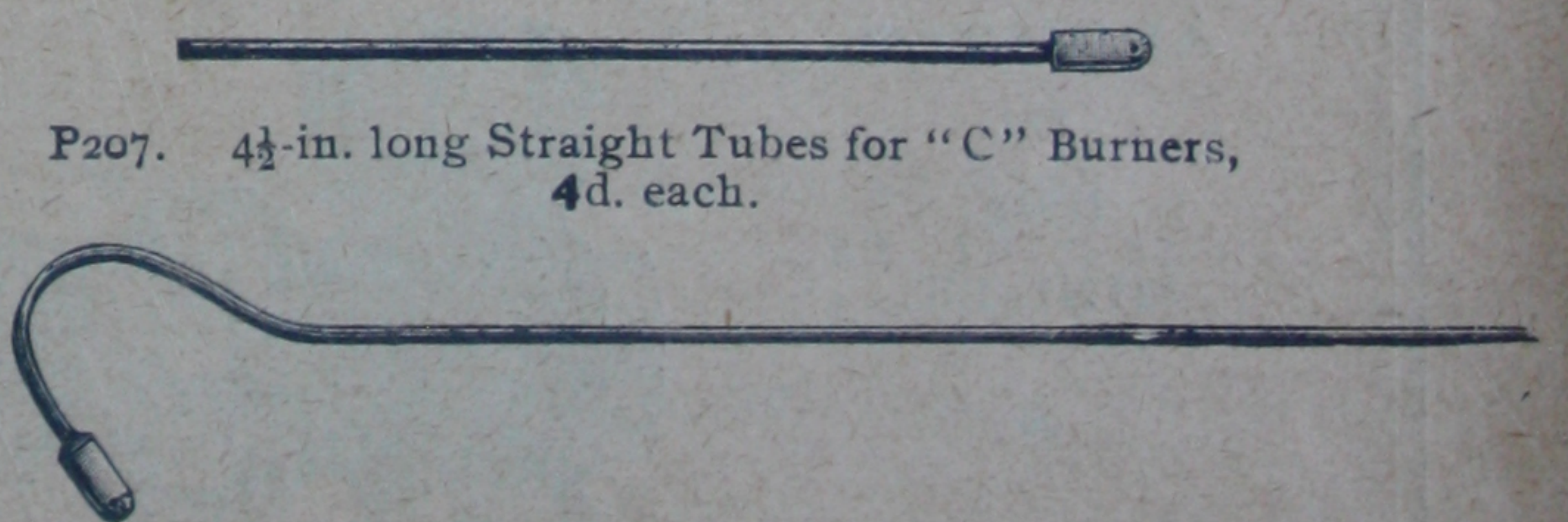
Switch to work

2 or 3 lights up to 72 feet
 4 lights " 48 "

P153. 3/8 each.

Tumbler Switch, to work
 1 or 2 lights up to 48 feet.
 P145. 4/6 each.

BY-PASS TUBES.



P207. 4 1/2-in. long Straight Tubes for "C" Burners,
 4d. each.

P208. Medium Brass, 8d. each.

P208A. Medium Nickel Alloy, 8d. each.

EXPLANATION.

The Apparatus consists of:—

1. Patent valve piece and by-pass which screws on to any ordinary gas bracket, pendant, or chandelier.
2. 24 feet very fine tubing to conduct the air pressure from switch to patent valve piece.
3. Switch, which turns the light up or down, the same as with the electric light switch.

Operated from the door or other desired point, but without batteries, coils, or any of the drawbacks incidental to Electricity.



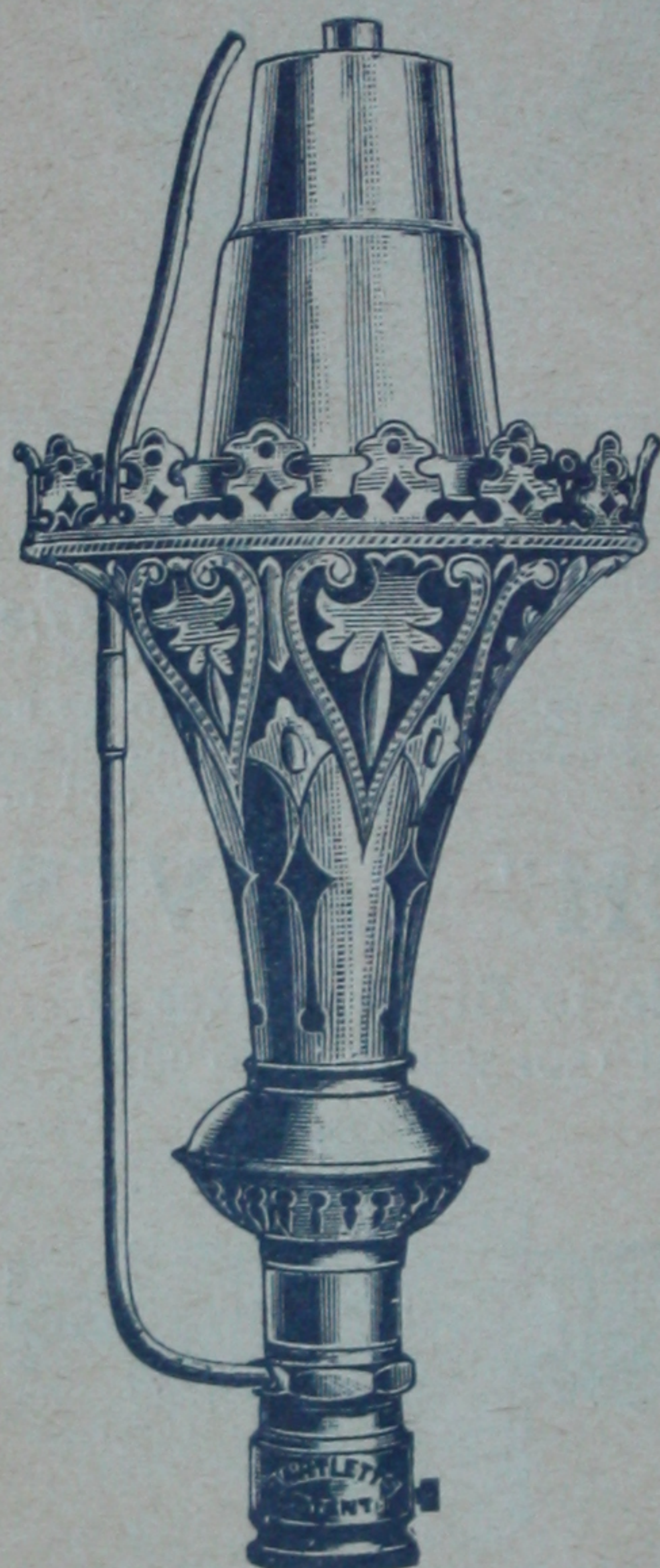
THE IMPROVED PATENT

Automatic Ignition Apparatus.

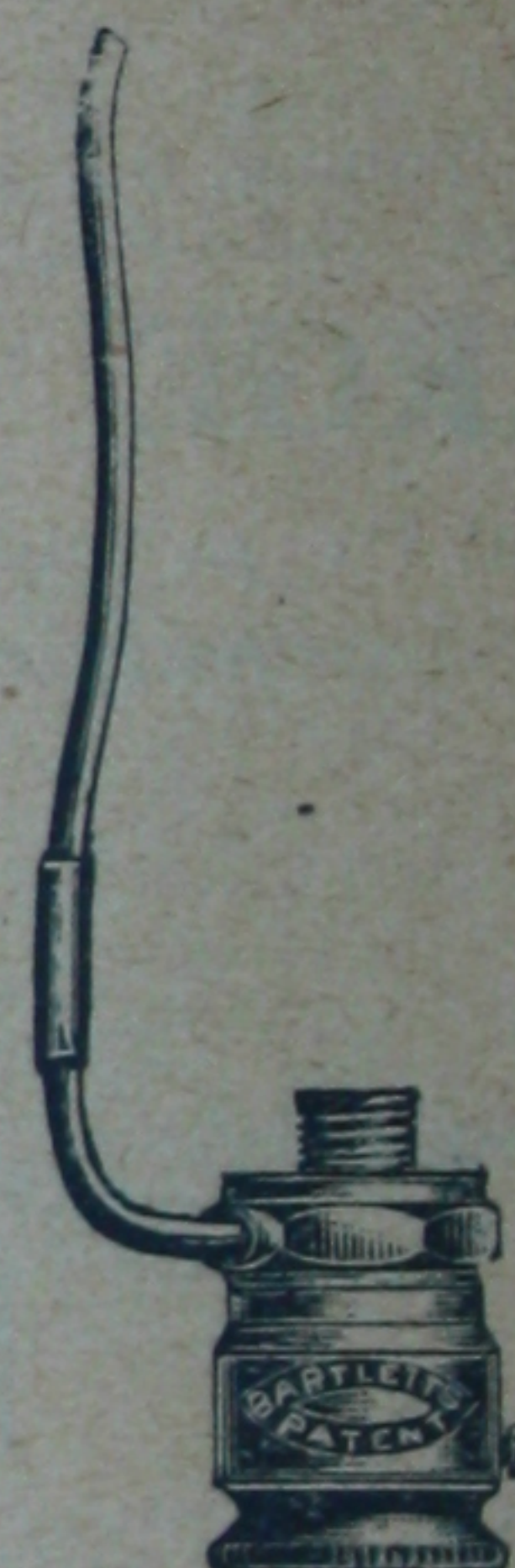
This System is not suitable for use with Inverted Burners.



No. W5135.
Apparatus attached
to Ordinary "C" Burner.



No. W5136.
Apparatus attached
to Kern Burner.



Apparatus detached

BY using this apparatus (a long distance By-pass served by constant Pilot flames) any number of Welsbach "C" or Kern Burners on any given gas service can be ignited or extinguished by one control cock, which can be fixed at the meter or any place of convenience, and at any reasonable distance from the lights it is desired to control.

A Long Distance By-pass arrangement for the Instantaneous Lighting . . . and Extinguishing of Installations at .

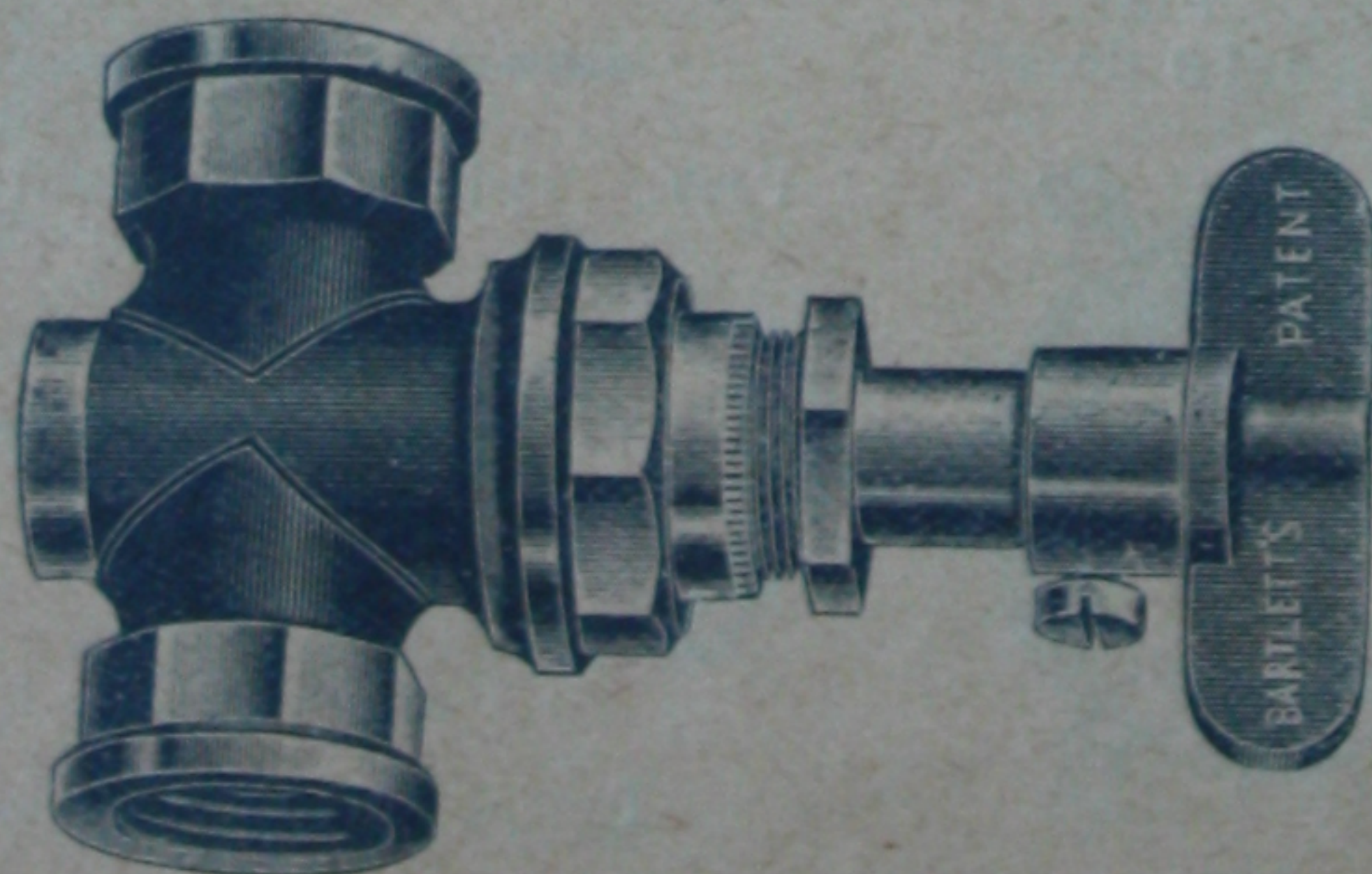
RAILWAY STATIONS, PUBLIC HALLS,
CHURCHES, SCHOOLS, THEATRES, FACTORIES,
SHOPS, OUTSIDE LAMPS, DOMESTIC OR
PRIVATE LIGHTING, etc., etc.

Price:	For "C" Burners	...	...	...	...	...	...	...	...	8/- each.
	For Kern Burners	...	...	...	...	...	...	...	...	9/- "

An ordinary By-pass tap may be used with this apparatus, but the **Patent Adjustable Control Cock** has been specially designed and presents many advantages.

ADJUSTED
IN
ONE
MINUTE.

CANNOT
BE
TAMPERED
WITH.



No. W5137.
1/2-in. 3/4-in. 1-in.
Prices 16/- 22/6 40/- each.

Only one of these **Special Cocks** and **One Main Pipe** is required in any Building, thus saving the cost of running separate By-pass pipes to various sections, which has hitherto been necessary in Automatic Lighting, in order to provide means to lower the lights (say during a Sermon or Lecture) when the full power of all the lights is not required. This is accomplished as follows:—

- 1st—When the crutch of the said Cock is in a line with the body, the gas is full on.
- 2nd—When the said crutch is turned to its extreme limit in one direction (say to the left) the whole of the lights are reduced to any power, previously determined and fixed, thus a soft, mellow light may be obtained throughout the building.
- 3rd—When the said crutch is turned to its extreme limit in the opposite direction, the whole of the burners in the building are extinguished, and the Pilot Lights only remain burning.



Welsbach-Kern (Patent) Self-Intensifying Lamps

FOR INTERIOR LIGHTING.

SELF-CONTAINED. NO COMPRESSORS OR SPECIAL MAINS REQUIRED.

Fitted with Gas and Air Regulators and Heat Disperser.

THOUSANDS IN USE.

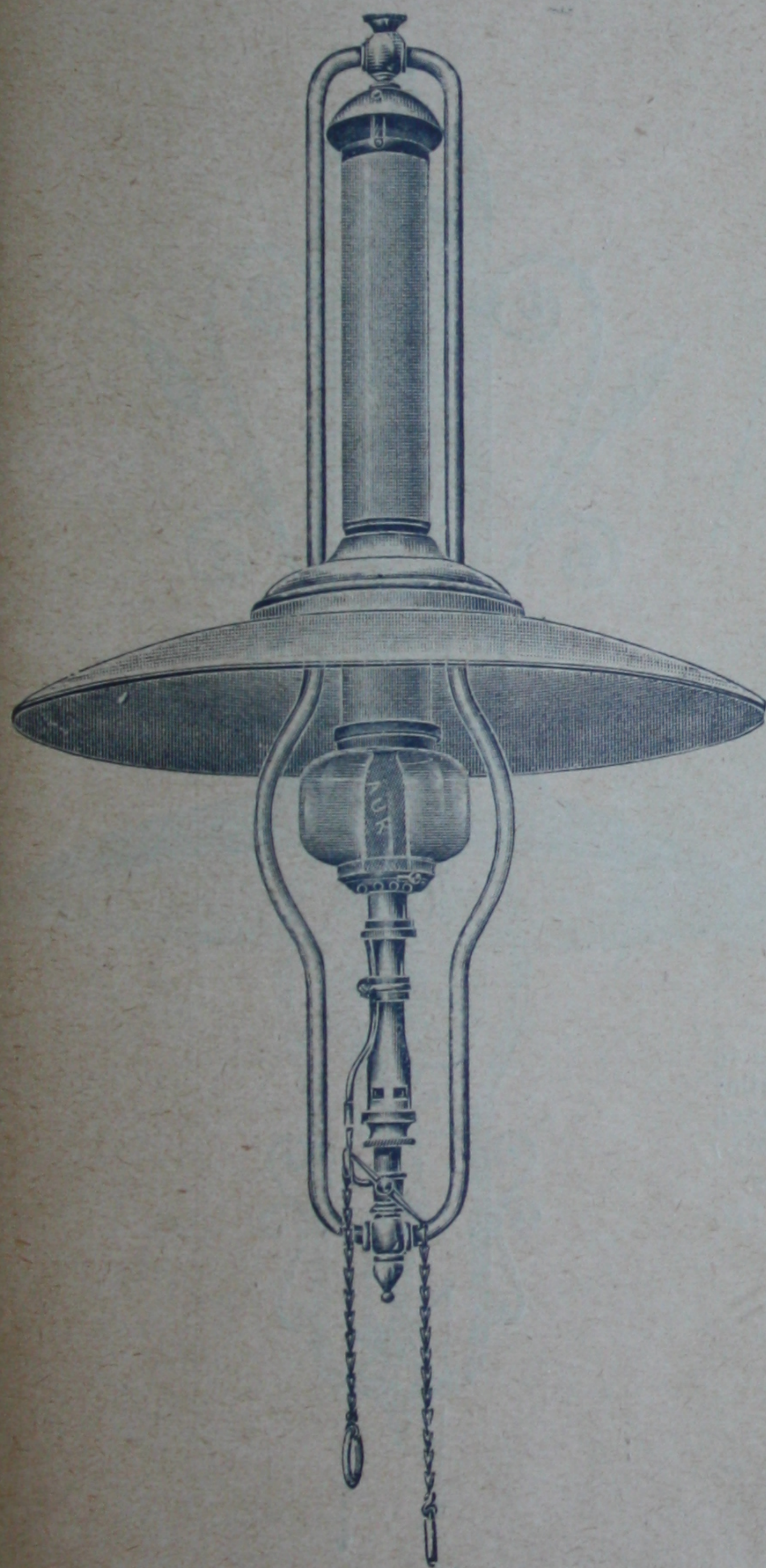


Fig. W604 A & B.

For Interior Lighting, Enamelled Iron.

- A. 5-ft. Burner (150 candle power) ... £2 0 0 each.
B. 10-ft. Burner (300 " " ") ... £3 0 0 "

Extras if desired.

- Opal Reflector ... Size A 4/8 B 6/8 each.
Opal Bulb ... Size A or B 6d. "
Cup and Ball Joint ... " " 2/6 "
Antivibrator ... " " 5/- "

Fig. W604.

Length over all.

- W604A ... 2-ft. 8-in.
W604B ... 3 " 3 "

Diameter of Reflectors.

- | | Enamelled. | Opal. |
|-----------|------------|--------|
| W604A ... | 16½-in. | 18-in. |
| W604B ... | 22 " | 24 " |

Fig. W605.

Length over all.

- W605A ... 2-ft. 8-in.
W605B ... 3 " 3 "

Diameter of Reflectors.

- | | Enamelled. | Opal. |
|-----------|------------|--------|
| W605A ... | 16½-in. | 18-in. |
| W605B ... | 22 " | 24 " |

RENEWAL MANTLES.

Welsbach-Kern or
Plaissetty.

- A. 150 c.p. ... 8/6 per doz.
B. 300 c.p. ... 12/- "

Trade Mark
"AUR"

on every Mantle.

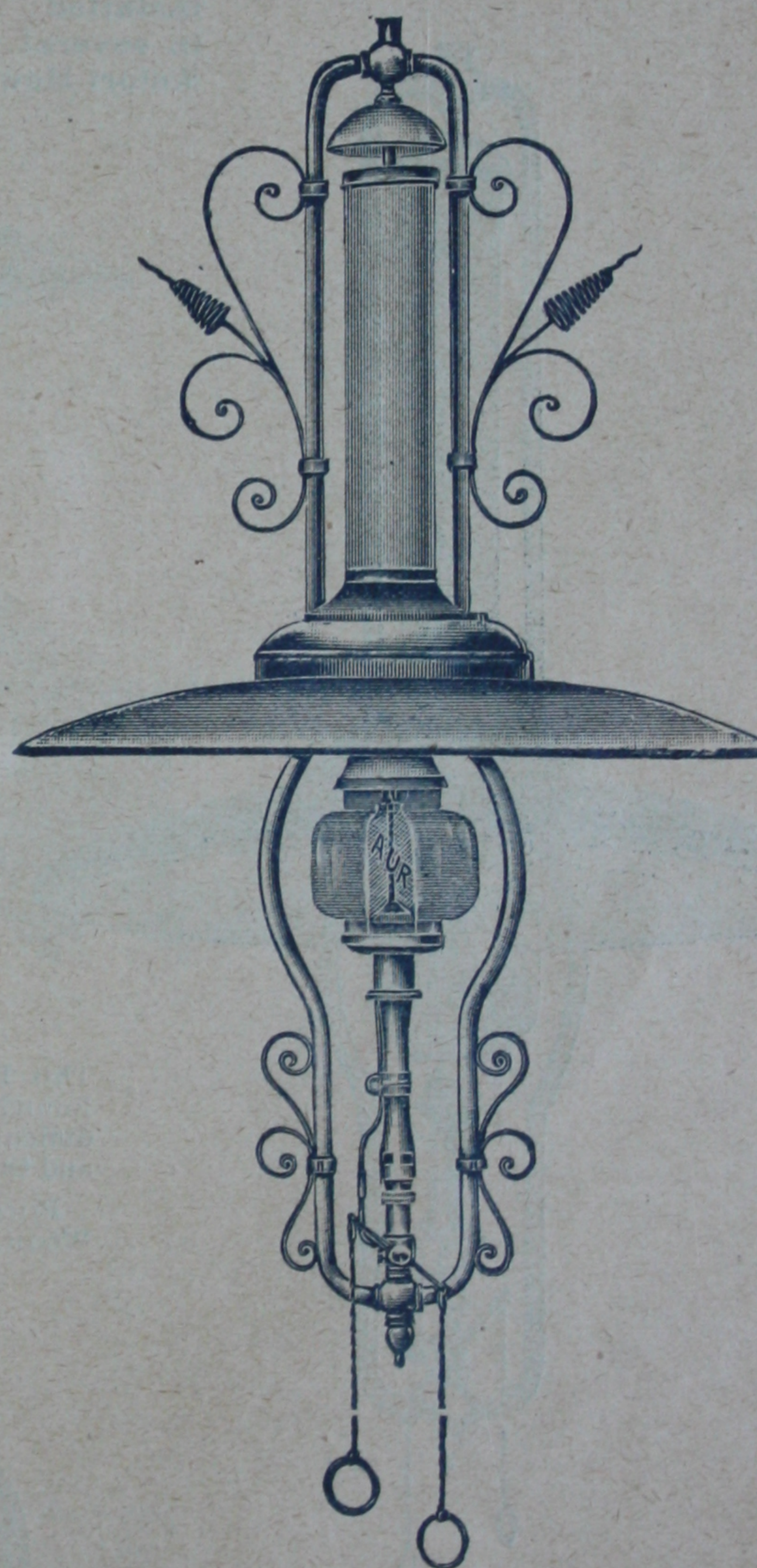


Fig. W605 A & B.

With White Enamelled Scroll Work.

- A. 5-ft. Burner (150 candle power) ... £2 14 0 each.
B. 10-ft. Burner (300 " " ") ... £3 14 0 "

Copper Scroll Work, 20/- extra.

RENEWALS.

- Opal Reflector ... Size A 8/- B 12/- each.
Enamelled Iron Reflectors ... A 3/4 B 5/4 "
Opal Bulb ... Size A or B 2/- "
Clear Bulb ... " " 1/6 "

WELSBACH LIGHT

WELSBACH-KERN (Patent) SELF-INTENSIFYING LAMPS.

FOR INTERIOR LIGHTING.

SELF-CONTAINED.
NO COMPRESSORS OR
SPECIAL MAINS REQUIRED.

Fitted with Gas and Air Regulators
and Heat Disperser.

Successfully
installed
in several
Retort Houses.

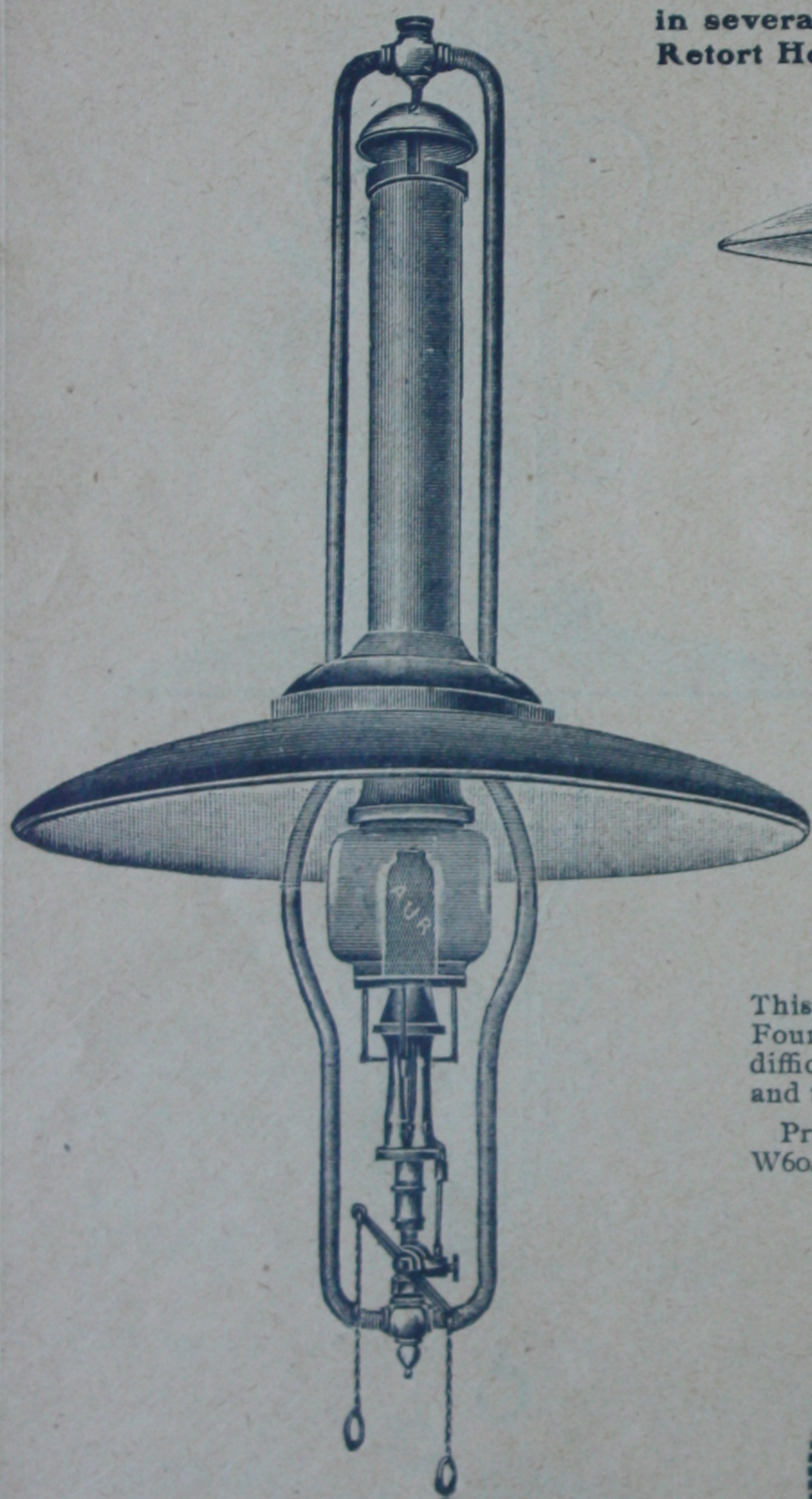


Fig. W604 C.

20-ft. Burner (600 candle power) £5 0 0 each.

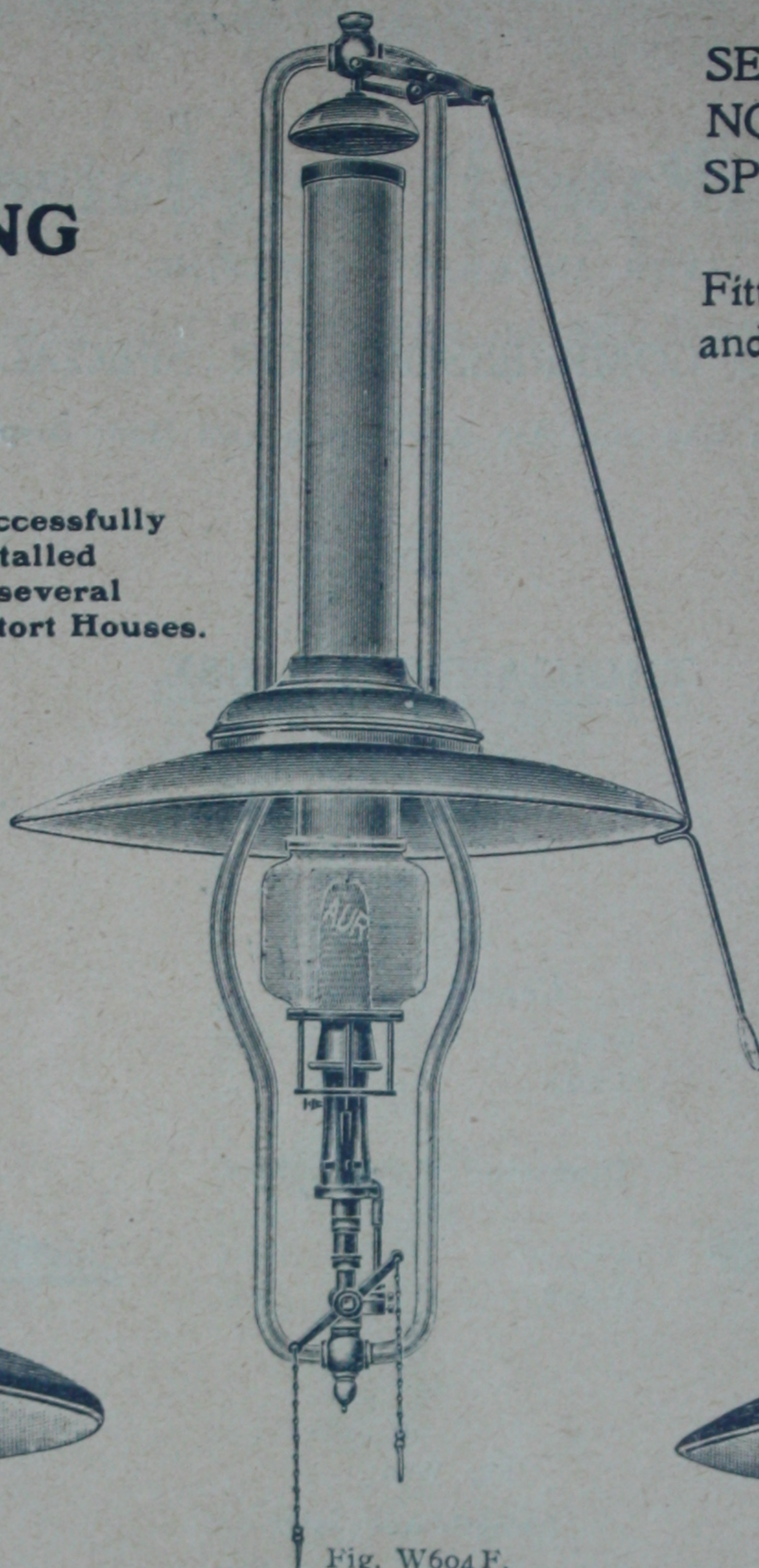


Fig. W604 F.

This Fitting has been specially adapted for use in Foundries, Blast Furnaces, Saw Mills, and similar difficult positions. The Burner is specially protected and the lamp is fitted with Damper. (½-in. supply.)

Price 14/- per Lamp extra over price of Figs. W604C, W606C, Lamps shown on pages 131 and 132.

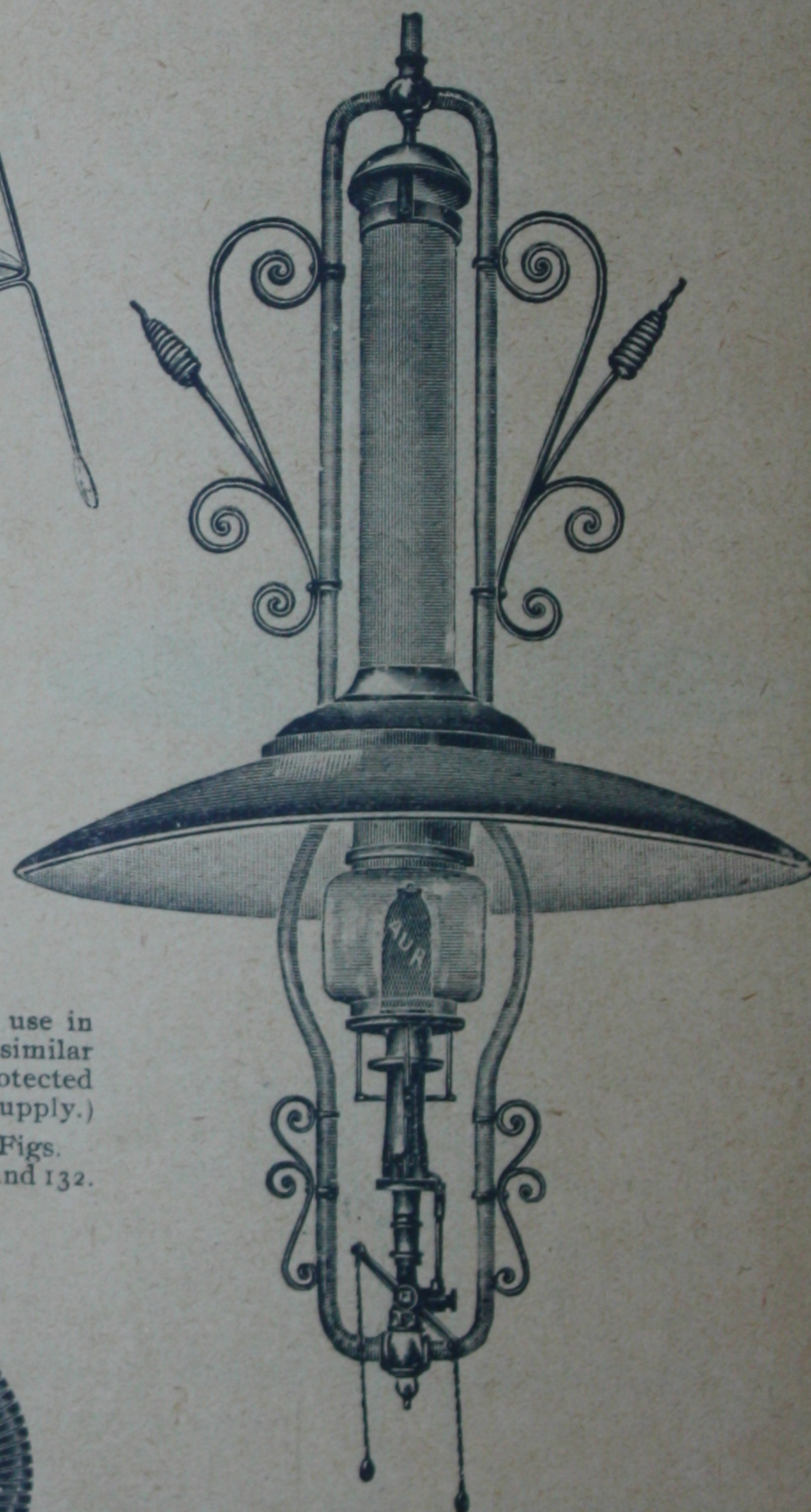


Fig. W605 C.

20-ft. Burner (600 candle power) £6 0 0 each.
With White Enamelled Scroll Work.
Copper Scroll Work, 20/- extra.

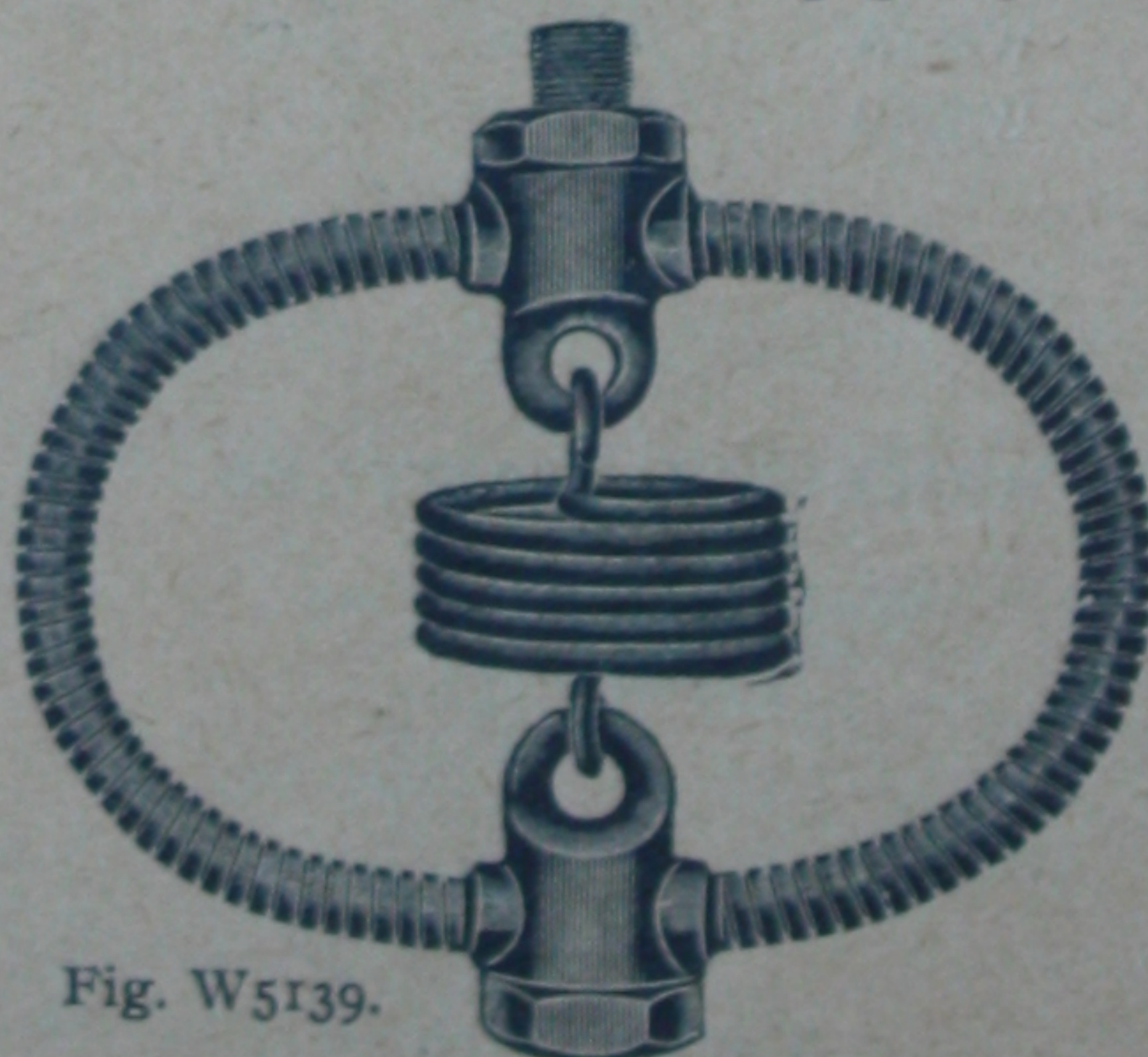


Fig. W5139.

Antivibrator for use with Figs. W604
and W605 Fittings, 5/- each.
Heavier make,
For Figs. W86, W607, etc., 6/6 each.

Extras if desired.

Opal Reflector	...	6/8 each.
Opal Bulb	...	6d. "
Cup and Ball Joint	...	2/6 "
Antivibrator	...	5/- "

Renewals.

Opal Reflector	...	14/- each.
Enamelled Iron Reflector	...	8/- "
Opal Bulb	...	2/6 "
Clear Bulb	...	2/- "

Figs. W604 C and W605 C. (600 c.p.)

Length over all, 4-ft. 2-in.

Diameter of Reflectors—Enamelled, 24-in.; Opal, 26-in.

RENEWAL MANTLES, Welsbach-Kern or Plaissetty, 600 c.p., 13/6 per doz.

Trade Mark "AUR" on every Mantle.

WELSBACH LIGHT

Welsbach-Kern Self-Intensifying Suspension Fitting.

FOR INTERIOR LIGHTING.

BURNERS FITTED WITH GAS AND AIR REGULATORS AND HEAT DISPERSERS.

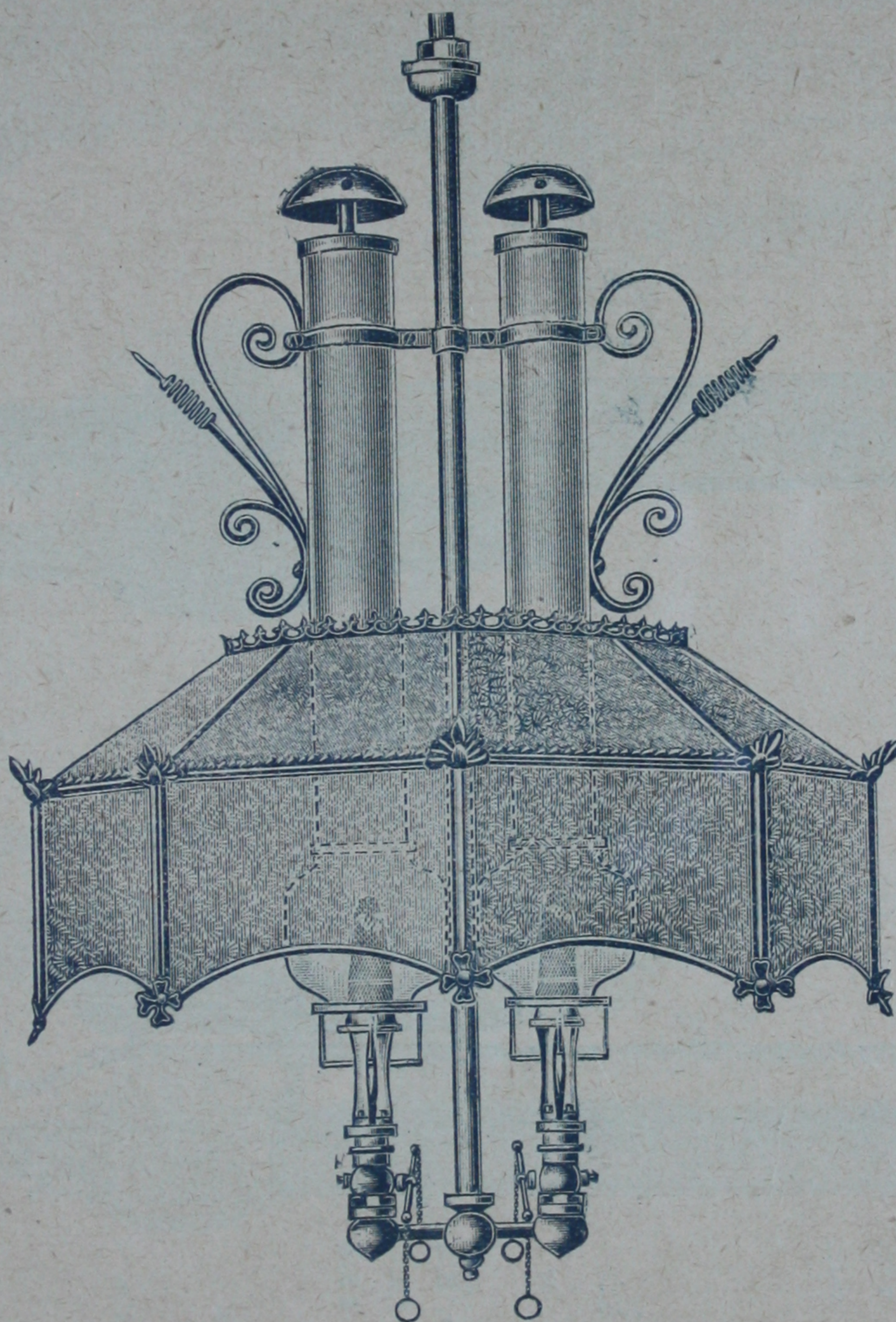


Fig. W605D (1,200 c.p.)

Length over all :

1,200 c.p.	...	...	...	...	4 ft. 0 ins.
600 c.p.	...	...	...	...	3 ft. 8 ins.

Width over all :

1,200 c.p.	...	...	...	...	2 ft. 10 ins.
600 c.p.	...	...	...	...	2 ft. 6 ins.

This Fitting has been specially introduced for high-class Interior Decorative Lighting. Comprising Enamelled Down Rod, with Cup and Ball, heavy polished brass fittings, carrying Shade Light, glazed with best quality Muranese Glass.

With 2 x 600 c.p. = 1,200 c.p. Burners, each 20 ft. = 40 ft. Gas per hour, **£14 10s.** each.
 „ 2 x 300 c.p. = 600 c.p. „ „ 10 ft. 20 ft. „ „ **£11 10s.** „

Welsbach-Kern (Patent) Self-Intensifying Lamps

FOR INTERIOR LIGHTING.
SELF-CONTAINED. NO COMPRESSORS OR SPECIAL MAINS REQUIRED.
FITTED WITH GAS AND AIR REGULATORS AND HEAT DISPERSER.

BRACKET LAMPS, Fig. W606.

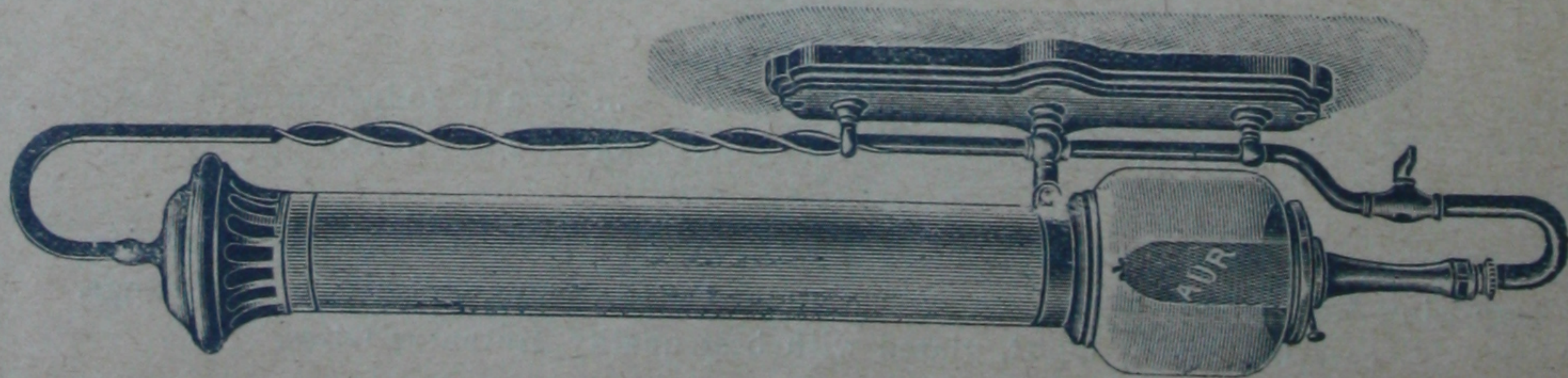


Fig. W606 A and B.

A. 5-ft. Burner (150 Candle power) £3 6s. 4d.
B. 10-ft. " (300 ") £3 13s. 8d.

Extras if desired.

Opal Bulb ... 6d.

The above prices are for Fittings with S.I. Burner, Mantle, and Glass, Enamelled Funnel and Top, Bracket Arm and best quality Wood Back Block. The Lamp complete as shown. Any size without By-Pass 13/4 less.

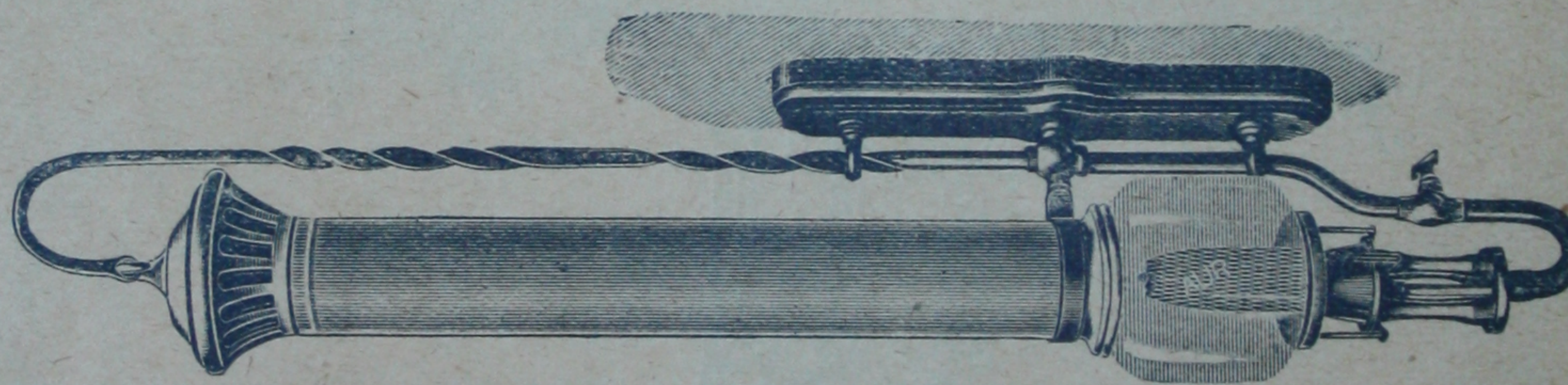


Fig. W606 C.

C. 20-ft. Burner (600 Candle power) £5 6s. 8d.

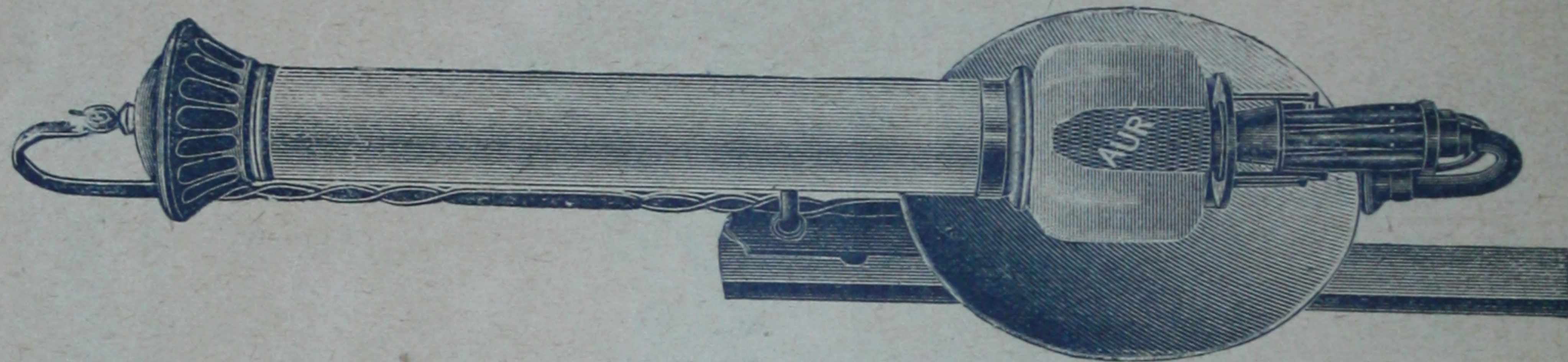
Length over all.	
W606A	... 2-ft. 6-in.
W606B	... 3-ft. 1-in.
W606C	... 3-ft. 10-in.

RENEWAL MANTLES.

Welsbach - Kern or Plaissetty.

	doz.
A. 150 Candle power,	8/6
B. 300 "	12/-
C. 600 "	13/6

Trade Mark "AUR" on Every Mantle.

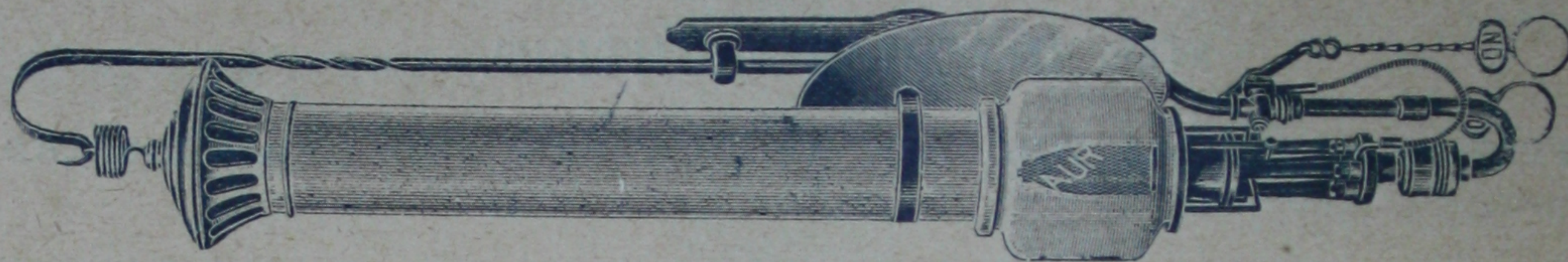


Showing Fig. W606 C fitted with Enamelled Iron Reflector. Sizes A, B, and C with this Reflector, 9/4 each extra.

DIAMETER OF REFLECTOR:
A...12 in. B...12 in. C...14 in.

Renewals.

Opal Bulb, size A or B 2/6, size C 2/6
Clear " " 1/6 " C 2/6



Shows Fig. W606 fitted with Antivibrator. 40/- extra over prices of Figs. 606A, B, and C, respectively. Reflector extra.

Specially suitable for machine shops where overhead travellers or trolleys are working.



WELSBACH-KERN (Patent) SELF-INTENSIFYING LAMPS.

FITTED WITH GAS AND AIR REGULATORS.

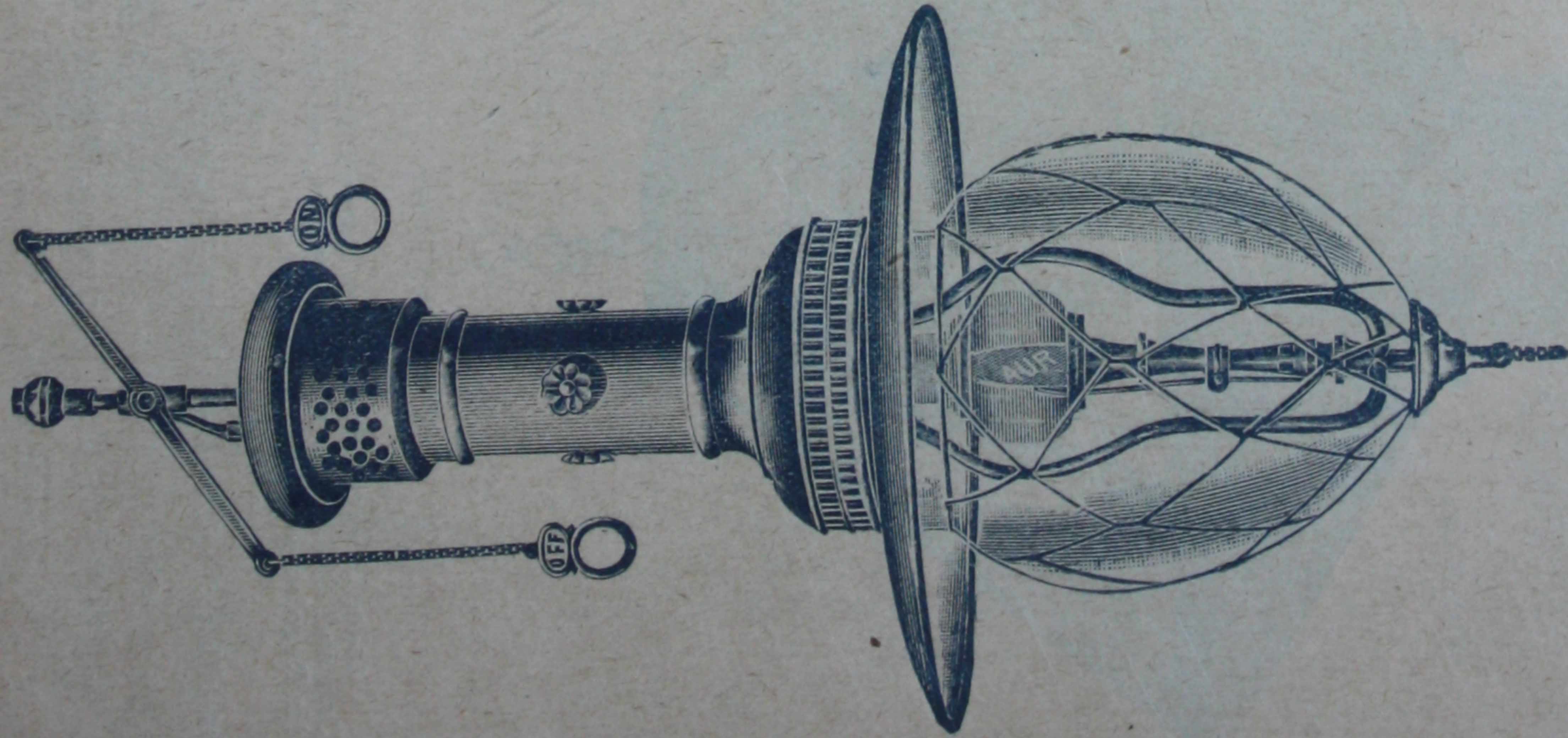


Fig. W607 B.

Storm-Proof Self-Intensifying Arc Lamp, Enamelled Iron Reflector, cup and ball joint, lever tap and by-pass. Enamelled throughout.

With one 10-ft. Burner, about 300 c.p., **\$5 0 0** each. Length over all, 4-ft. 4-in. Diameter of Reflector, 24-in.

Wired Renewal Globes, **16/8** each.
Opal and Flint Diagonal Globes, **10/-** extra.

No. W5139. Antivibrator, **6/6** each.

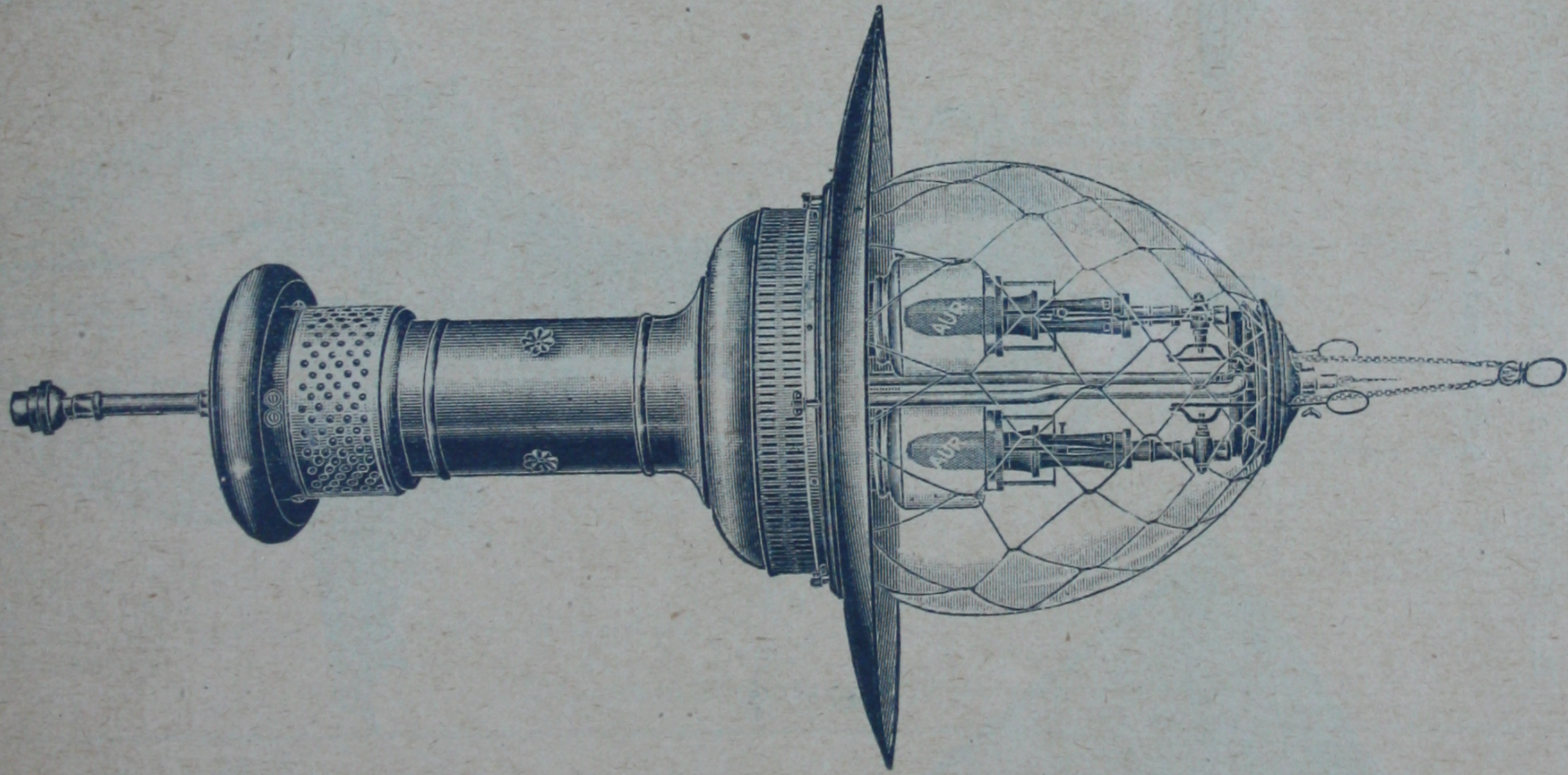


Fig. W607 D.

Storm-Proof Self-Intensifying Arc Lamp, Enamelled Iron Reflector, cup and ball joint, with by-pass. Enamelled throughout.

With two 20-ft. Burners, about 1,200 c.p., **\$16 16 0** each. One on one off, or both on or off.

Length over all, 5-ft. 7-in. Diameter of Reflector, 37½-in. Wired Renewal Globes, **33/4** each.

No. W5139. Antivibrator, **6/6** each,

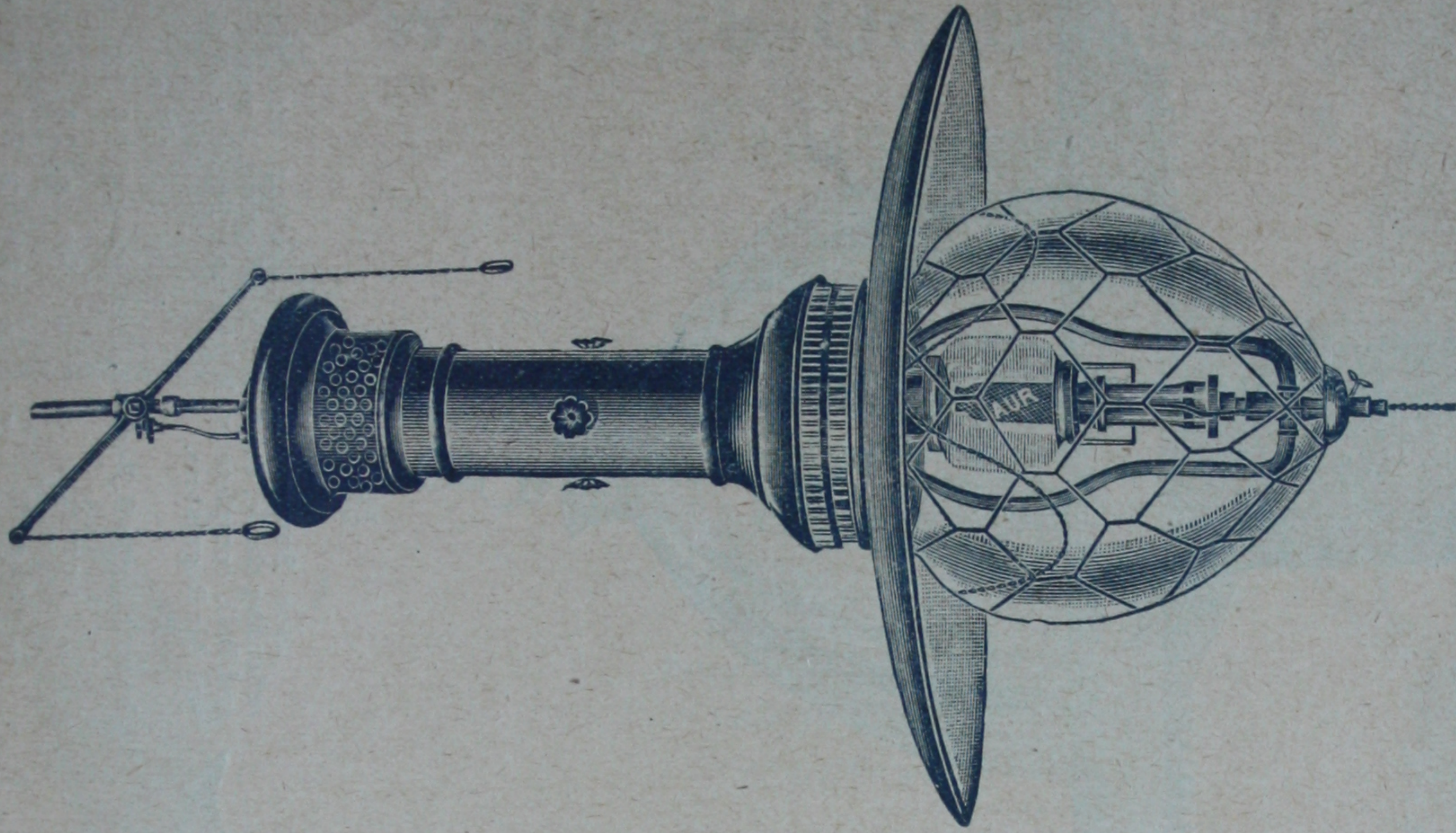


Fig. W607 C.

Storm-Proof Self-Intensifying Arc Lamp, with Enamelled Iron Reflector, cup and ball joint, lever tap and by-pass. Enamelled throughout.

With one 20-ft. Burner, about 600 c.p. ... **\$7 0 0** each. Length over all, 5-ft. Diameter of Reflector, 29-in.

Wired Renewal Globes, **26/8** each.
Opal and Flint Diagonal Globes, **23/4** extra.

No. W5139. Antivibrator, **6/6** each.

Workshop

Lantern with

Self-Intensifying

Burners.

Fig. W590.



Fig. W590.

42-in. Hexagon Suspension Lantern fitted with Cup and Ball, complete with by-pass, and Gas and Air Regulators. Enamelled Top.

	£	s.	d.
3-Light with 3 x 10-ft. Burners, about 900 c.p.	14	0	0
1 " " 1 x 20-ft. " " 600 c.p.	16	13	4
2 " " 2 x 20-ft. " " 1,200 c.p.	19	6	8

Length over all, 4-ft. 2-in.

3-Light Lamp arranged one on and two off, or all on or off, **28/-** extra.

2-Light Lamp arranged one on and one off, or both on or off, **28/-** extra.

Fig. W86.

Self-Intensifying Suspension Arc Lamp, with Plain round enamelled Iron or Opal Reflecting Shade, as shewn, cup and ball joint, lever tap and by-pass. Enamelled throughout. Fitted with Gas and Air Regulators.

	£	s.	d.
A with one 10-ft. Burner, 24-in. Reflector, about 300 c.p.	7	0	0
B " two 10-ft. " " 600 c.p.	9	0	0
C " three 10-ft. " " 900 c.p.	11	10	0
D " one 20-ft. " " 600 c.p.	14	0	0

Renewal Globes, A, **20/-**, B, C, and D, **26/8** each.

Renewal Globes, Half Opal, Diagonal, A, **32/-**, B, C, and D, **40/-** each.

Length over all, A and B, 3-ft. 11-in., C and D, 5-ft. 2-in.

Antivibrator 6/6 extra.

Bent Body

Self-Intensifying

Lantern.

Fig. W591.

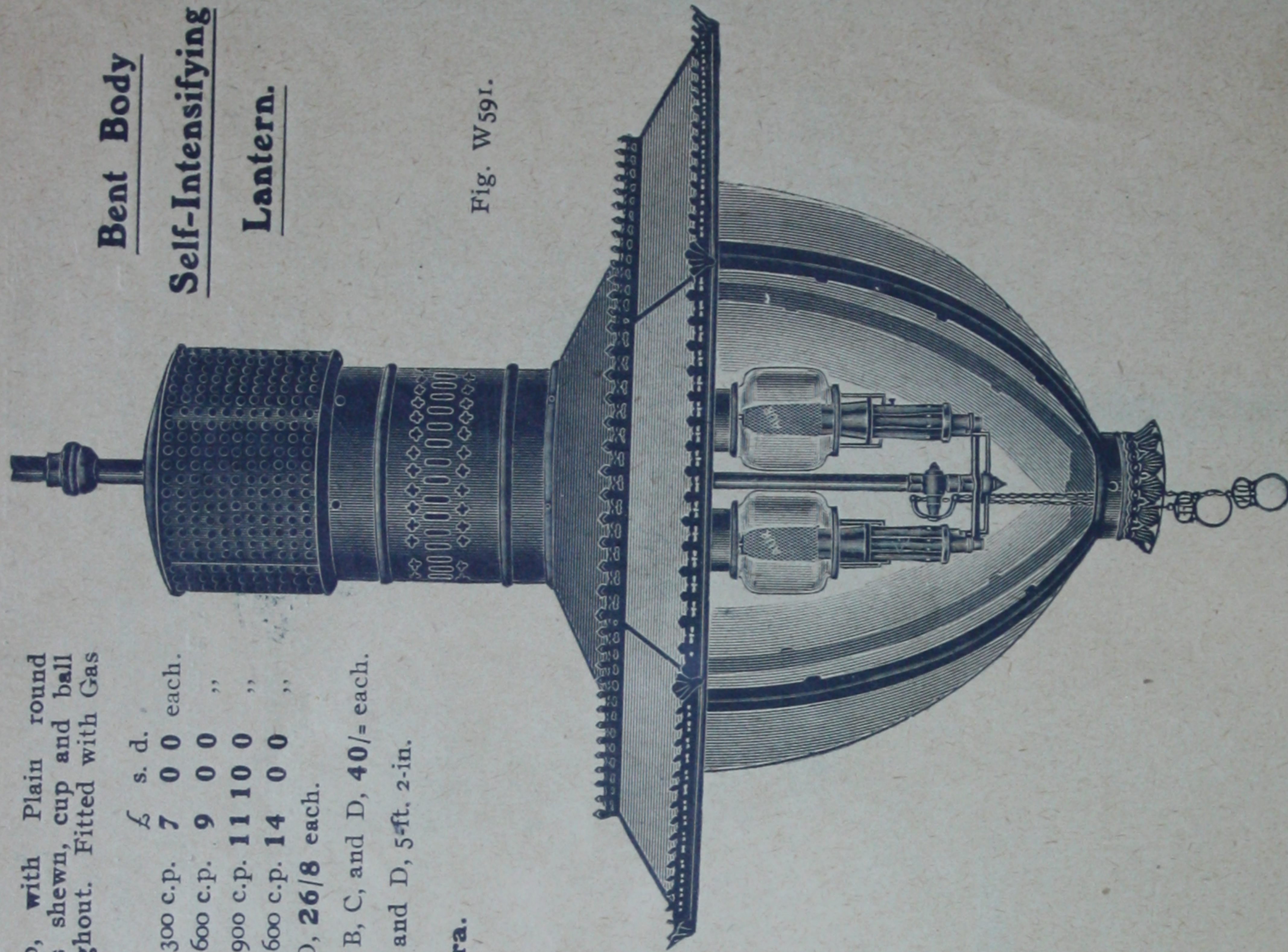


Fig. W591.

24-in. Suspension 3-Light Lantern, with 36-in. reflecting shade, enamelled wind guard, strong Cup and Ball, complete with by-pass. Fitted with Gas and Air Regulators.

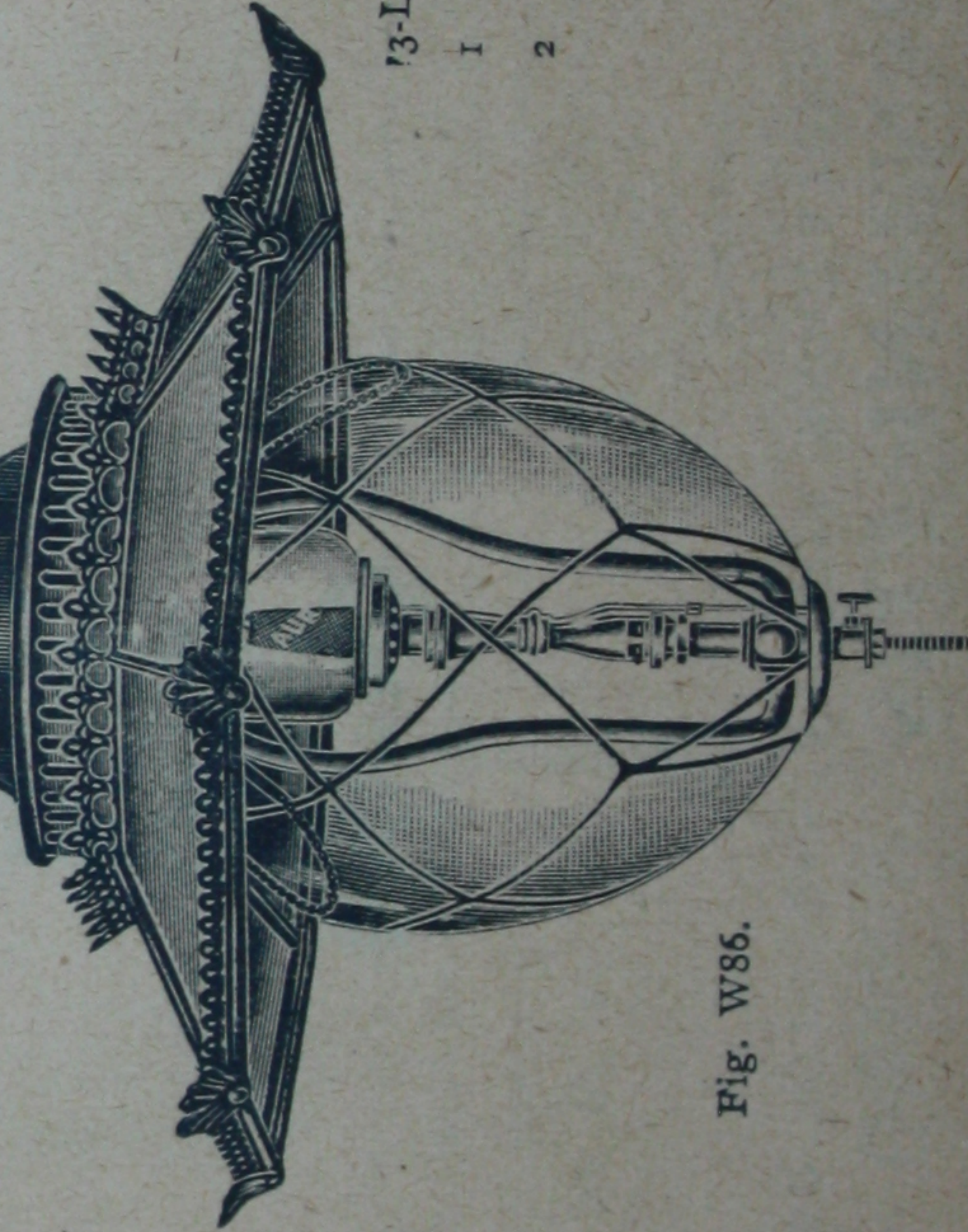
	£	s.	d.
'3-Light with 3 x 10-ft. Burners, about 900 c.p.	19	13	4
1 " " 1 x 20-ft. " " 600 c.p.	22	8	0
2 " " 2 x 20-ft. " " 1,200 c.p.	25	0	0

Length over all, 3-ft. 10-in.

3-Light Lamp arranged one on and two off, or all on or off, **28/-** extra.

2-Light Lamp arranged one on and one off, or both on or off, **28/-** extra.

Fig. W86.



WELSBACH LIGHT

Welsbach Quality and Finish.



No. W609.
Exterior
Arc Lamp.

Trade Mark "AUR"
on every Lamp.



No. W609A.
Fitted with Kern Burner and 3-Light
Patent Transformer No. W5122A (page 27).

Price 38/- Complete, with Mantles.
275 c.p. for 9-ft. of Gas per hour.

Existing Lamps can easily be converted
from Upright to Inverted system.

BEST STEEL CASE AND REFLECTOR (Enamelled Green).

A neat device enables the 11-in. Globe to be easily lowered when renewing Mantles, or removed, if desired, for Cleaning.

Length over all, 24 inches.

Diameter of Reflector, 19½ inches.

Sold COMPLETE ONLY with Alabastrine or Clear Globe, Mantles, and—

No. 3.	Welsbach-Kern Burners	Size.	Gas per hour.	Candle Power.	Price.
...	...	2-Light Lamp	6-ft.	150	50/- each.
" 3	"	4 " "	12 "	300	50/- "
" 4	"	2 " "	8 "	200	50/- "
" 4	"	4 " "	16 "	400	50/- "

Fitted with Simplex Burners 1/- per burner less. 3-Light Lamp, 50/- each.

Fitted with Parabolic Reflector 2/6 per Lamp extra.

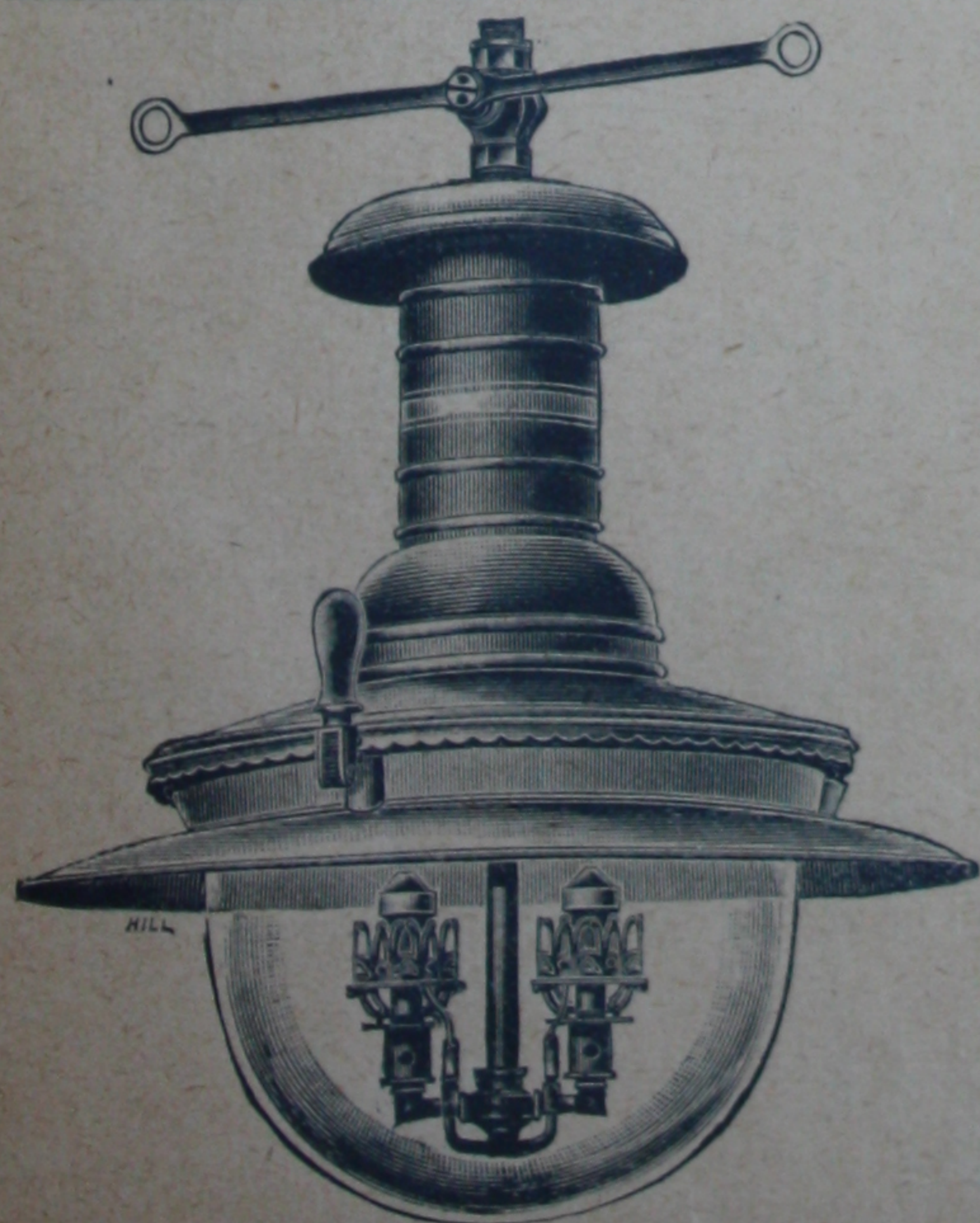
EXTRAS.

Half-Diagonal Opal and Flint Globes	...	3/4 each.
Cup and Ball Joint	...	2/6 "
Antivibrator (not required with Mantles of Welsbach manufacture)	...	5/- "

RENEWALS.

Half-Diagonal Opal and Flint Globes, Fig. W609	...	6/- each.
Alabastrine Globes	...	4/- "
Welsbach Clear Globes	...	2/6 "

If Lamps in Bright Copper (in place of Steel) 1/- each extra.



No. W579.

Two-light Arc Lamp.

Enamelled Green, relieved with Gold. Patent Storm-proof Lamp, with 11½-in. Clear Glass Shade, 18-in. Enamelled Reflector. By-pass, Lever Cock and Pilot Lights for two Fig. W12A Switch Burners.

Length over all, 20-in.

Price, 38/- each.

Complete with Burners.

No. W576.

The Success Arc Lamp.

Height 23-in., Diameter 10-in.

With "C" Burner and Pink Opal Globe, 60/- each.

With Star Cut Globe, 70/- each.

Globes only.

Cut Star	...	22/- each.
Pink Opal	...	10/8 "
Clear Glass	...	9/8 "



BACK LAMPS.



WINDPROOF.

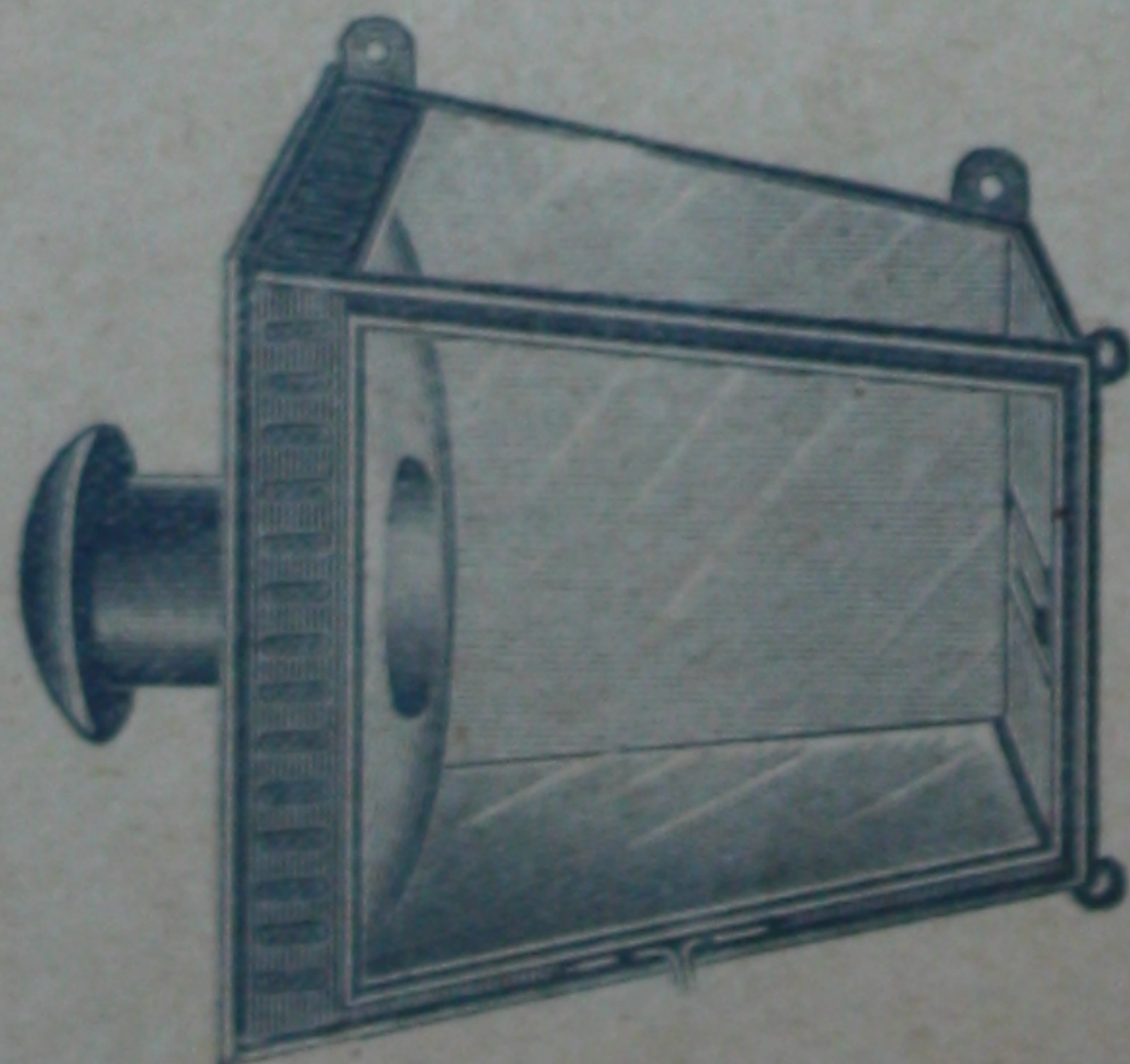


Fig. W2153.

Height over all	...	...	1-ft. 6-in.
" of Body	...	...	1 " 3 "
Width...	...	...	12 "
Depth...	...	...	10 "
Fitted with Enamelled Iron Top Reflector. Solid Roof.			
For One Burner.			
PRICE.			
In Tin	...	...	22/- each.
In Copper	...	...	27/- "

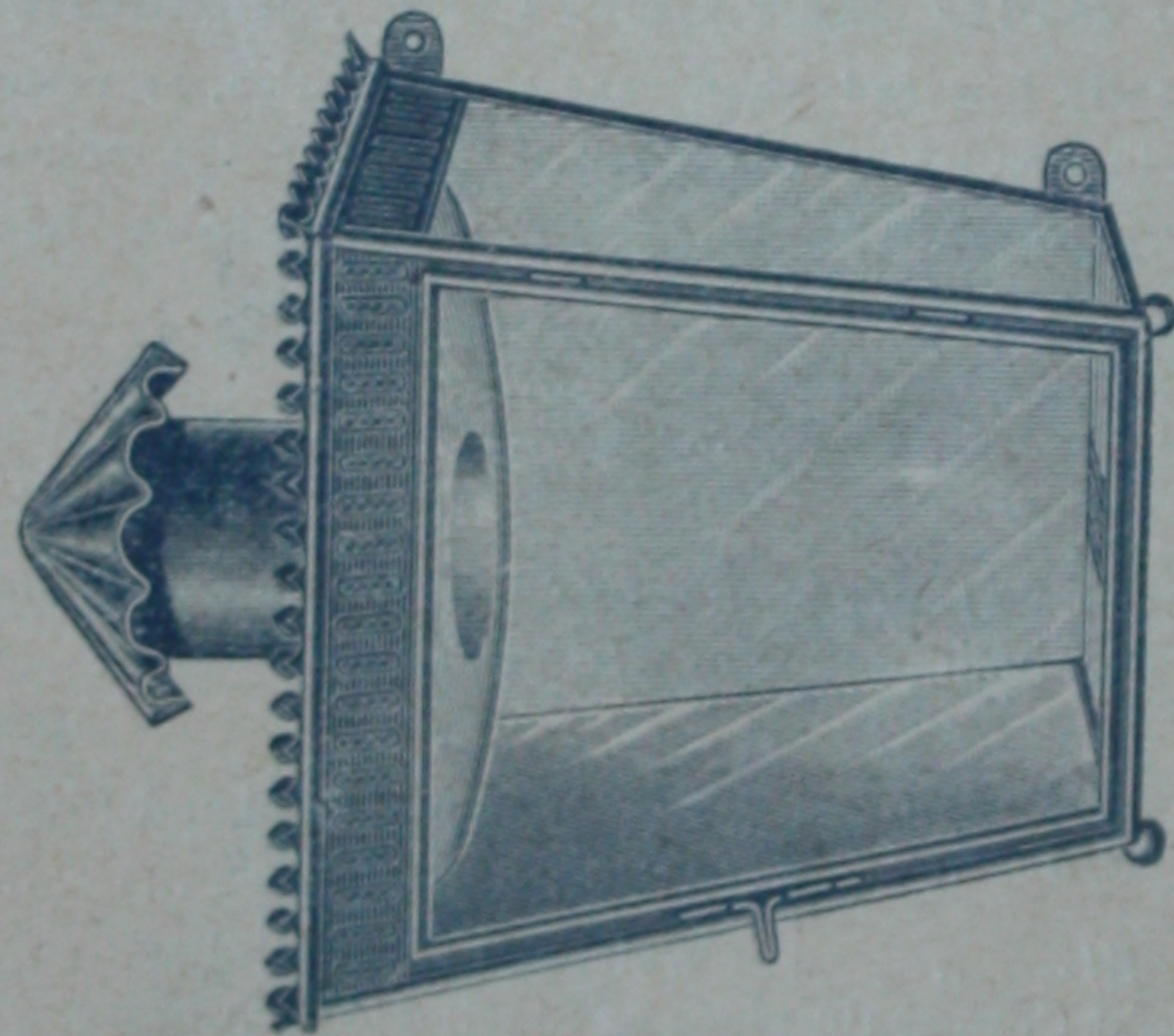


Fig. W2154.

Height over all	...	...	1-ft. 11-in.
" of Body	...	...	1 " 5 "
Width...	...	...	1 " 3 "
Depth...	...	...	12 "
Fitted with Enamelled Iron Top Reflector. Solid Roof.			
For One Burner.			
PRICE.			
In Tin	...	...	32/4 each.
In Copper...	...	...	40/4 "

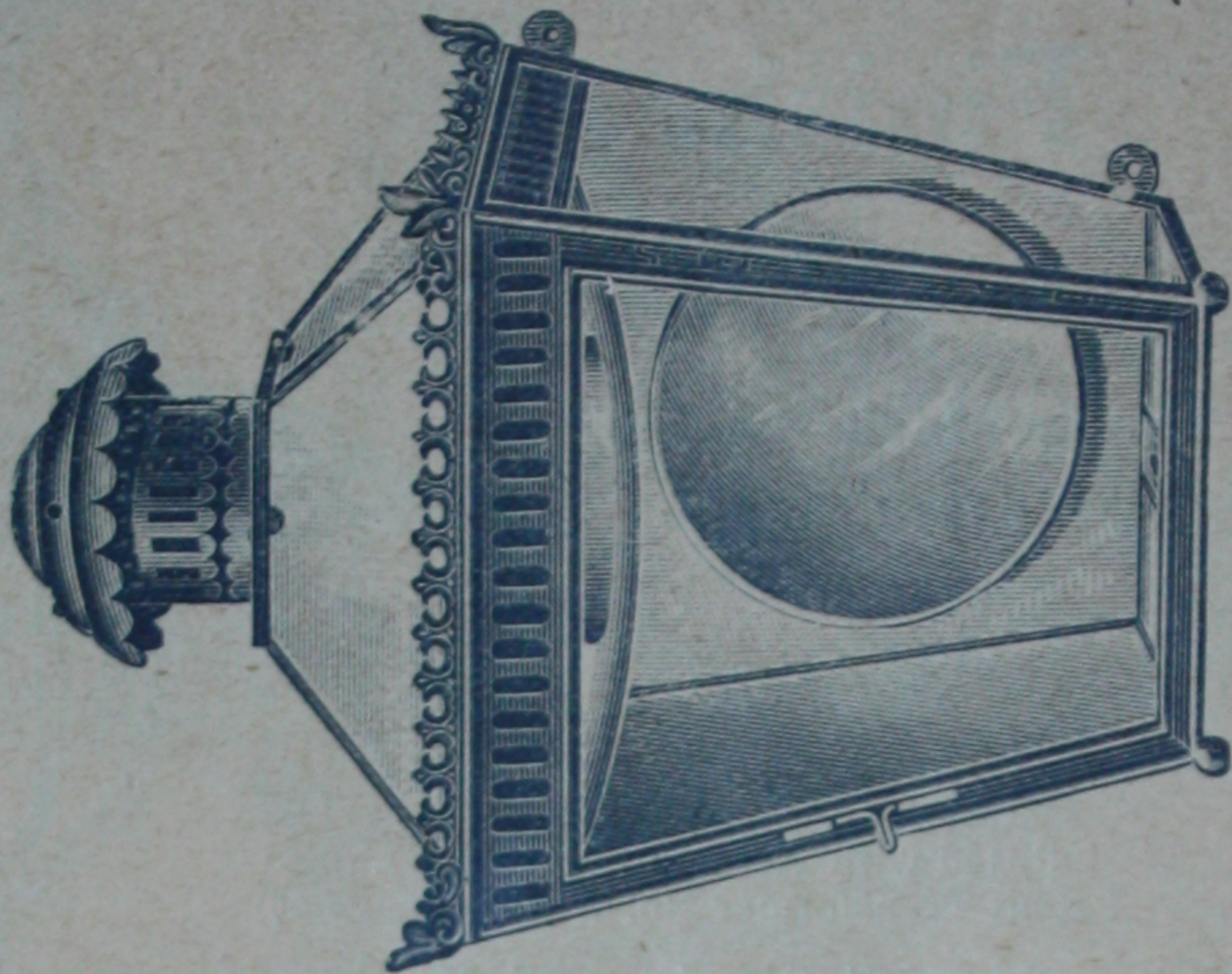


Fig. W2155.

Height over all	...	...	2-ft. 7-in.
" of Body	...	...	1 " 8 "
Width...	...	...	1 " 6 "
Depth...	...	...	1 " 3 "
Fitted with Enamelled Iron Top Reflector and Back Reflector, Opal Top.			
For Two Burners.			
PRICE.			
In Tin	...	...	50/- each.
In Copper	...	...	62/4 "

PRICE.

In Tin	...	...	22/- each.
In Copper	...	...	27/- "

PRICE.

In Tin	...	...	32/4 each.
In Copper...	...	...	40/4 "

PRICE.

In Tin	...	...	50/- each.
In Copper	...	...	62/4 "

Nos. W2153 and W2154, with Back Concave Reflector, 2/- extra.



WELSBACH INVERTED ARC LAMPS.

Welsbach-Kern Inverted System.

Storm Proof—For Exterior Lighting.

Thousands of these Lamps in Use.

British made.



Height over all.

1-Light	...	...	1 foot 5 inches.
2-Light	...	...	2 „ 4 „
3-Light	...	...	2 „ 4 „
4-Light	...	...	2 „ 7 „

Width over all.

1-Light	...	...	1 foot 1 inch.
2-Light	...	...	1 „ 5 inches.
3-Light	...	...	1 „ 5 „
4-Light	...	...	1 „ 8 „

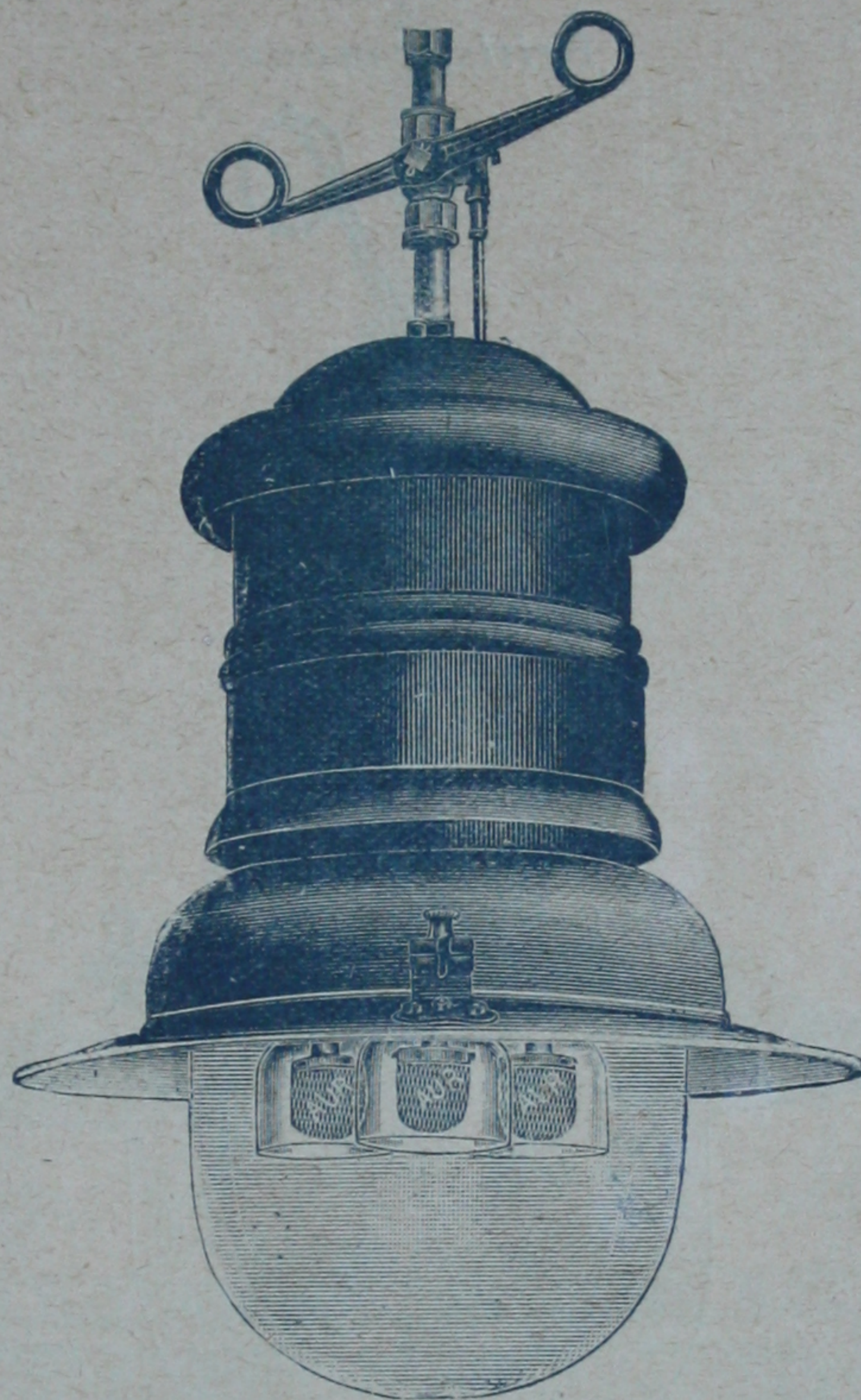


Fig. W623. Three-Light.

Enamelled Green Steel Casing, fitted with Welsbach-Kern Inverted Burners, Gas and Air Regulators. Sliding door to give access to Burners for cleaning purposes. Fitted with Flash By-Pass, Magnesia Nozzles, Welsbach Mantles, and Glass Mantle Protectors. Complete as shown. Highly efficient and regenerative.

RENEWALS.

Glass Mantle Protectors (W829), 4/- per dozen.
In case lots of 4 gross, 41/- per gross.

Clear Glass	1-light.	2-light.	3-light.	4-light.
Globes, each	2/4	6/6	6/6	11/-
Half Opal				
Globes, each	6/-	14/-	14/-	17/-
Wired Globes,				
extra, each	2/6	3/6	3/6	3/6
Parabolic Re-				
flector, extra	10/-	10/-	10/-	(4-light not made.)

Welsbach Mantles, Type G, 6/6 per doz.

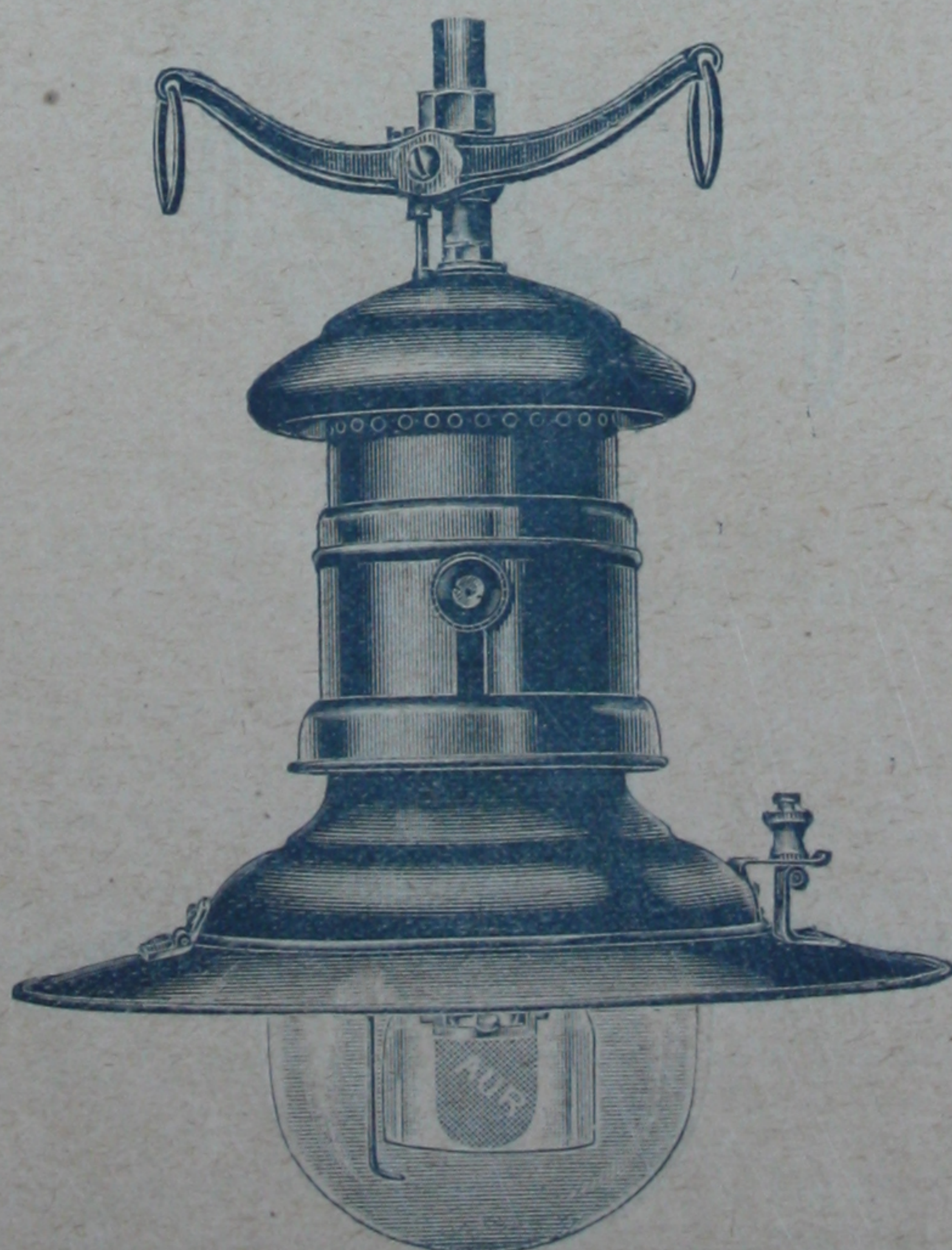


Fig. W623. One-Light.

COMPLETE AS SHOWN.

	Gas per Hour.	C.P.	Steel.	Copper Case.
1-Light	4 feet	125	40/-	6/8 extra.
2-Light	8 feet	260	64/-	8/- „
3-Light	12 feet	400	66/-	8/- „
4-Light	16 feet	550	96/-	12/- „

All on or off, or One light on and the rest off, 10/- per lamp extra.

Cup and Ball, 2/6 per lamp extra.





WELSBACH INVERTED ARC LAMPS.

Welsbach-Kern Inverted System.

FOR INTERIOR LIGHTING.

British made.



Height over all.

1-Light	...	1 foot 3 inches
2-Light	...	1 " 10 "
3-Light	...	1 " 10 "
4-Light	...	2 " 2 "

Width over all.

1-Light	...	1 foot 1 inch
2-Light	...	1 " 5 inches
3-Light	...	1 " 5 "
4-Light	...	1 " 8 "

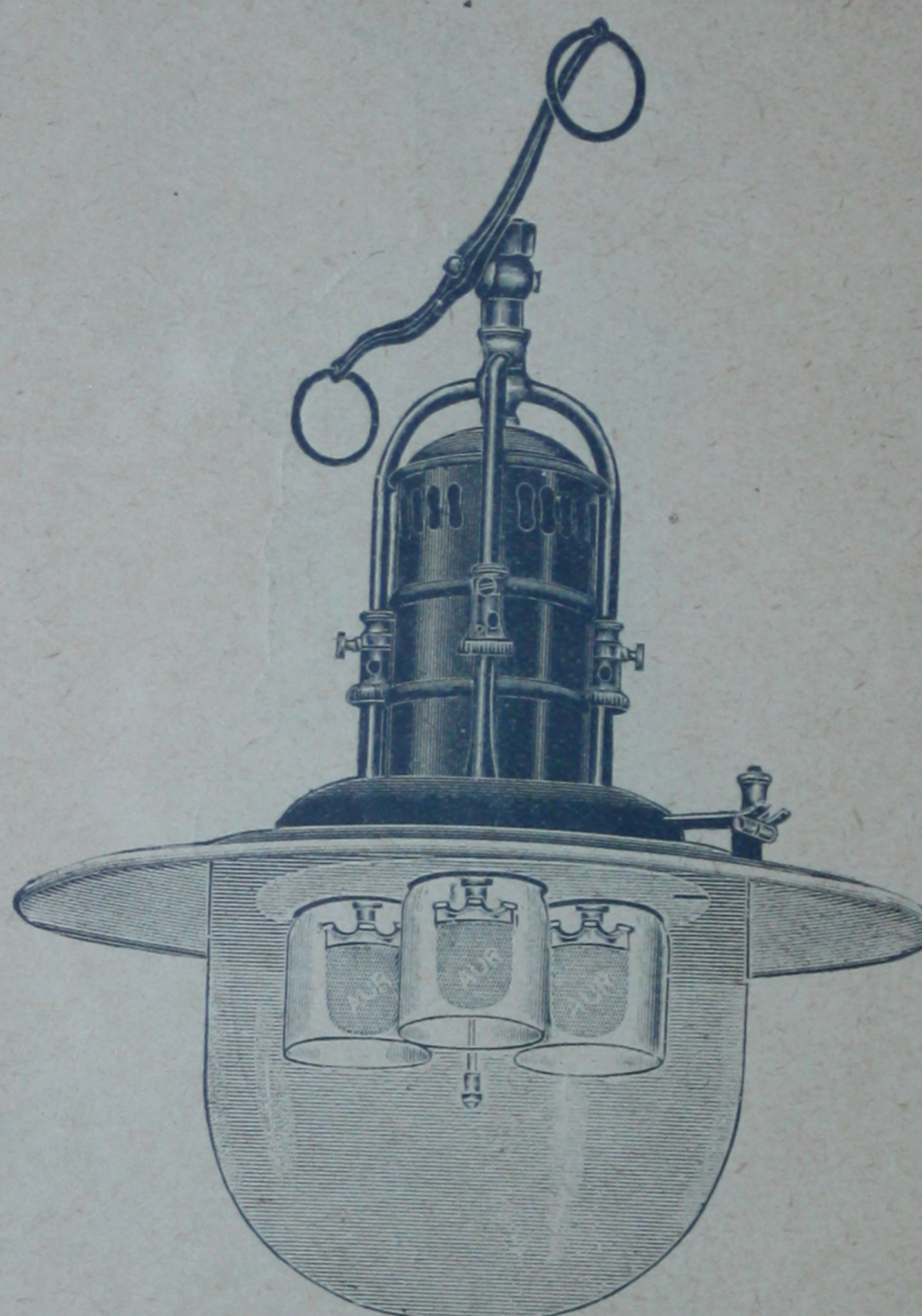


Fig. W624. Three-Light.

Enamelled Green Steel Casing, fitted with Welsbach-Kern Inverted Burners, Gas and Air Regulators operated from outside the case. Fitted with Flash By-pass. The Gas Regulators can be operated to shut off the gas entirely if one or more burners are required to be put out of use. Blue or White Enamelled to order without extra charge. Brass parts steel-bronzed to order without extra charge. Fitted with Magnesia Nozzles, Welsbach Mantles, and Glass Mantle Protectors. Complete as shown.

Gold Lined Chimneys,

1, 2 and 3-Light	...	...	2/6 extra.
4-Light	...	...	3/- "

RENEWALS.

Glass Mantle Protectors, 4/- per doz.

In case lots of 4 gross, 41/- per gross.

Clear Glass Globes, each ^{2 & 3} 2/4 6/6 11/-
1-Light. Light. 4-Light.

Wired Globes, each ... 2/6 3/6 3/6

Welsbach Mantles, Type G, 6/6 per doz.

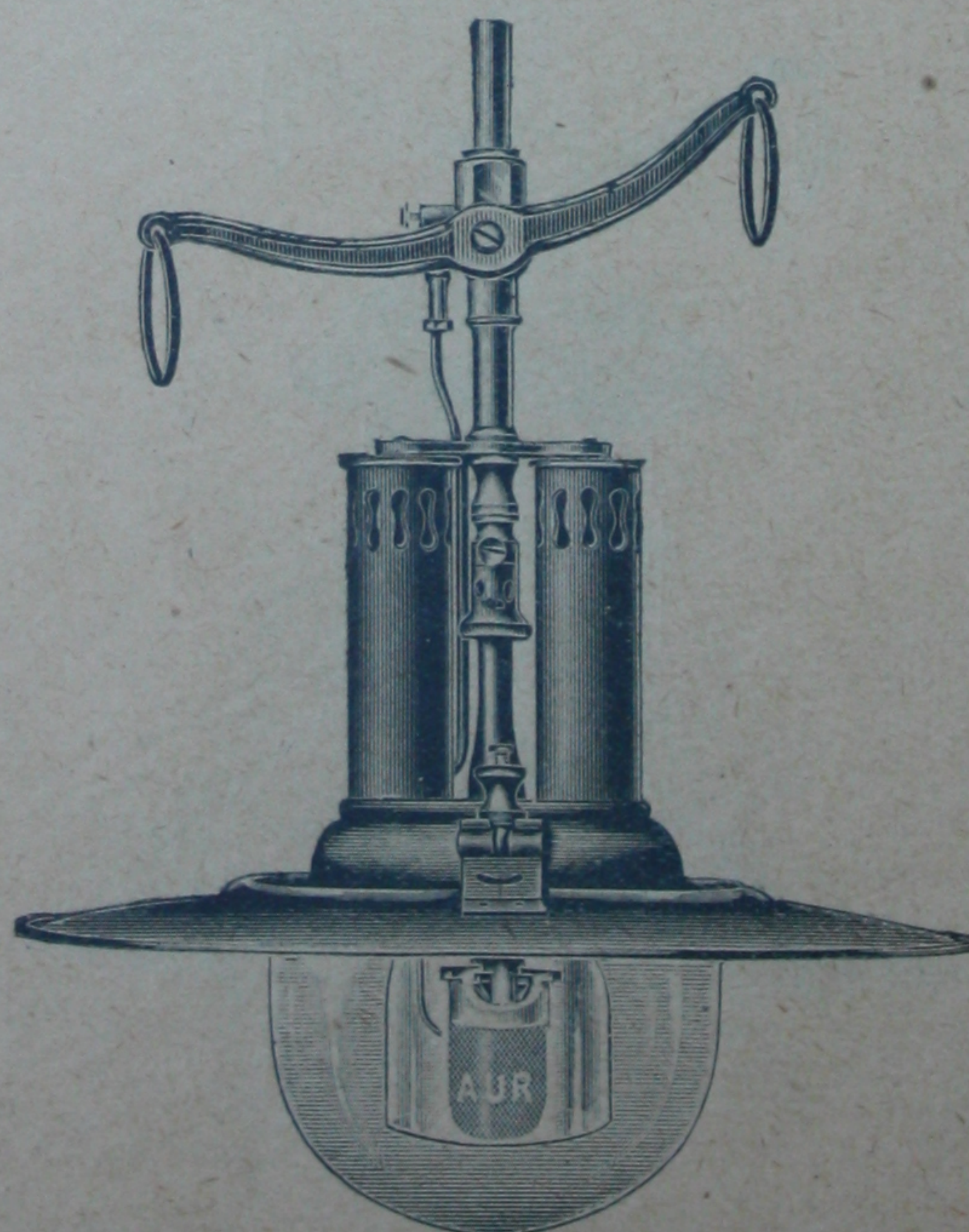


Fig. W624. One-Light.

	Gas per hour.	C.P.	Price.
1-Light	4 feet	125	32/-
2-Light	8 feet	260	44/-
3-Light	12 feet	400	50/-
4-Light	16 feet	550	68/-

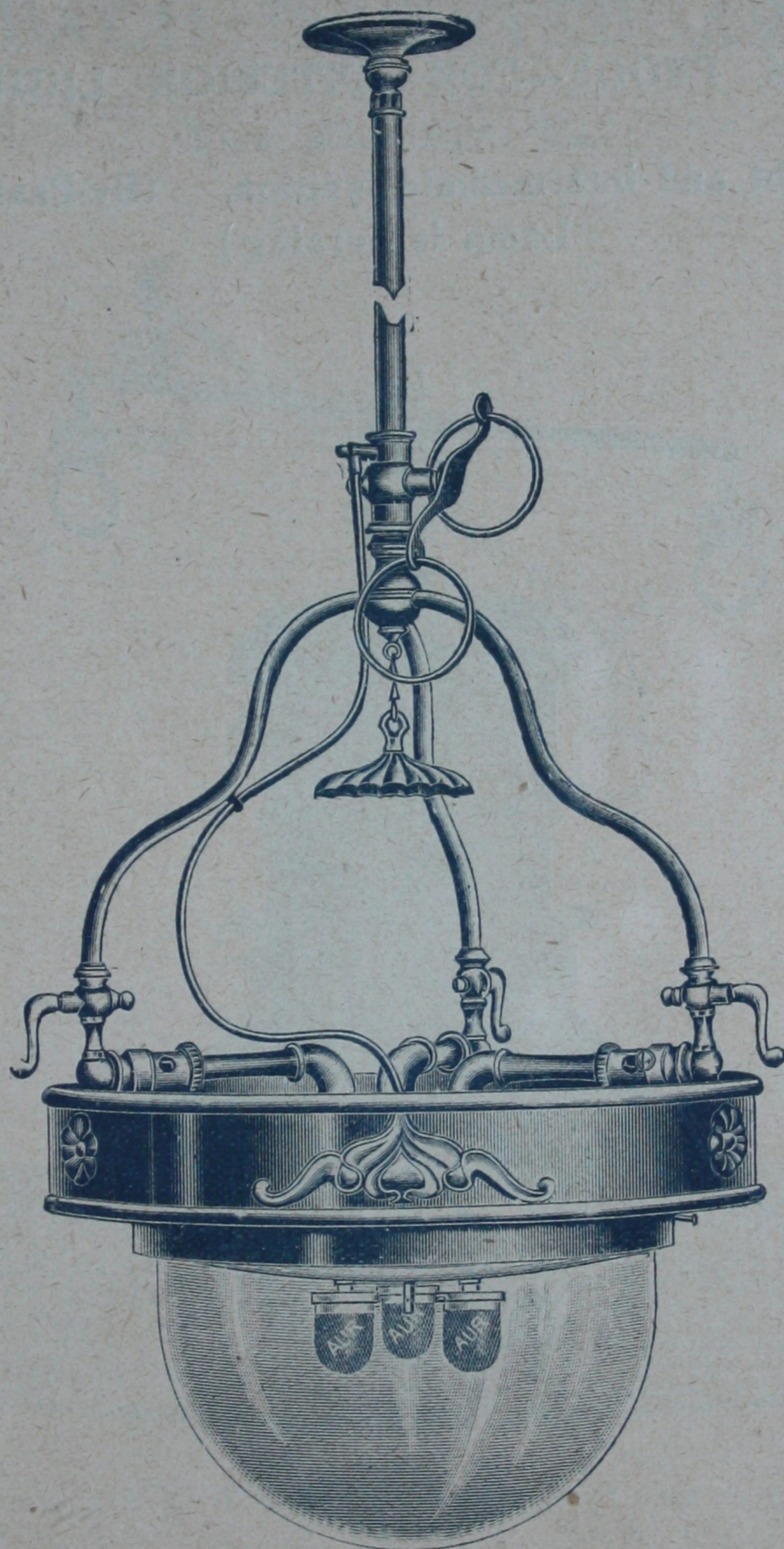
Cup and Ball, 2/6 per lamp extra.



WELSBACH LIGHT

WELSBACH THREE-LIGHT INVERTED FITTING.

(WELSBACH-KERN.)



No. W2198.

3-Light Inverted Fitting for Interior Lighting.

Length over all, 2-ft. 11-in.; diameter 14-in. Down rod $\frac{1}{2}$ -in.
Arms $\frac{3}{4}$ -in.

Complete as shown—

Polished Brass (about 200 c.p.).....60/= each.
Antique Copper „ „66/= „

Fitted with 3 Welsbach-Kern Angle Burners, with gas and air regulators, by-pass switch and separate Cock to each Burner, Porcelain Reflector, cup and ball joint and ceiling plate. Each Burner gives about 75 candle-power on a consumption of 3-ft. of gas per hour.

If Opaline Globe required.....2/6 extra.
Renewal Clear Globes.....2/6 each.
„ Opaline „5/= „



WELSBACH INVERTED ARC LAMPS.

STORM PROOF—FOR EXTERIOR LIGHTING.

With one Permanent Pilot Light and intermediate ignition. (By-Pass Jets are out of action whilst Lamp is burning.)

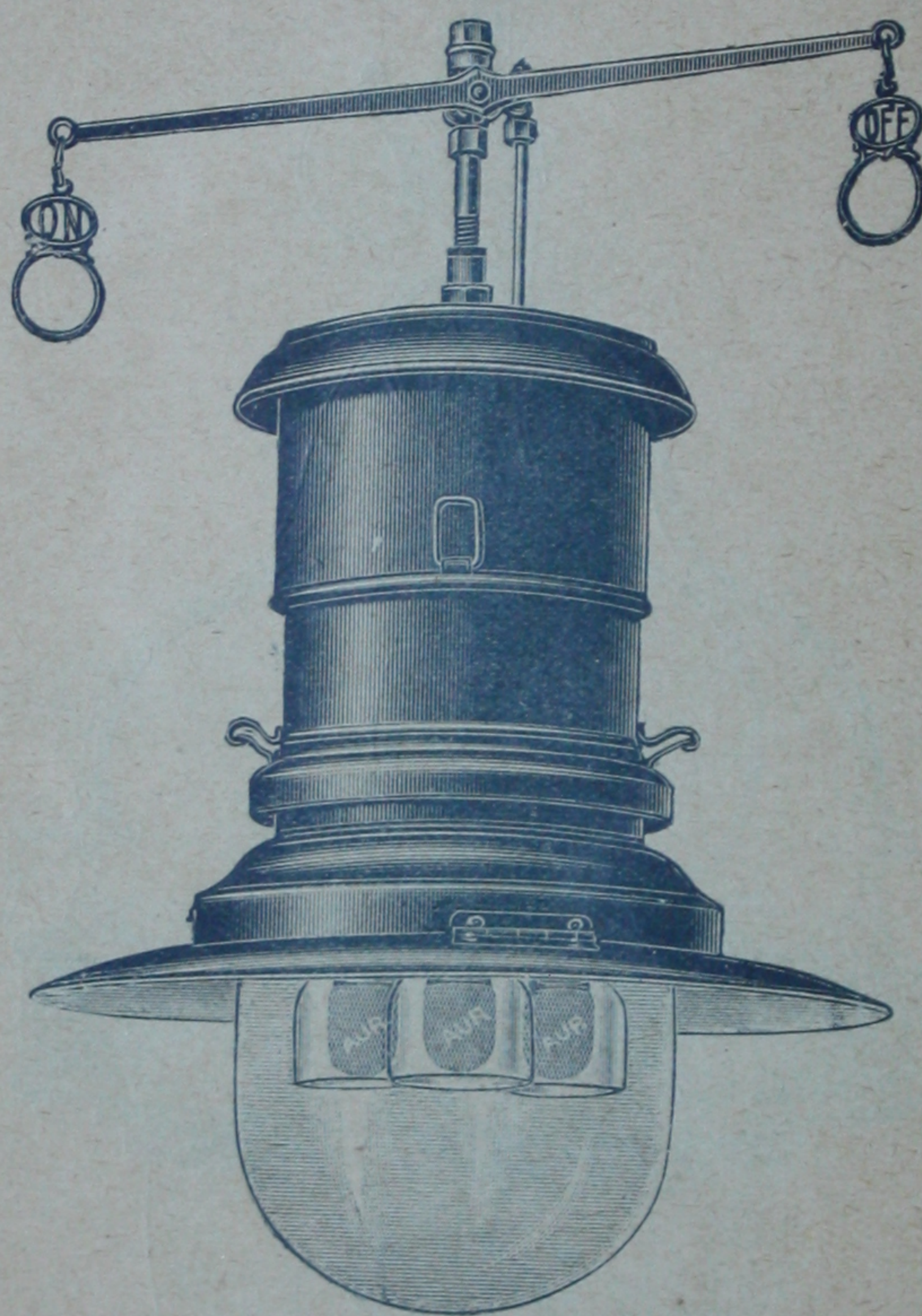


Fig. W625.

RENEWALS.

Glass Mantle Protectors, No. W829, 4/- per doz.,
41/- per gross by 4-gross case.

	1-light.	2-light.	3-light.
Clear Glass Globes, each	2/4	4/-	6/6
Half Opal Globes, each...	6/-	10/-	14/-
Wired, extra each	2/6	3/6	3/6
Parabolic Reflector, extra	6/-	9/-	12/-

Welsbach Mantles, Type G, 6/6 per doz.

COMPLETE AS SHEWN.

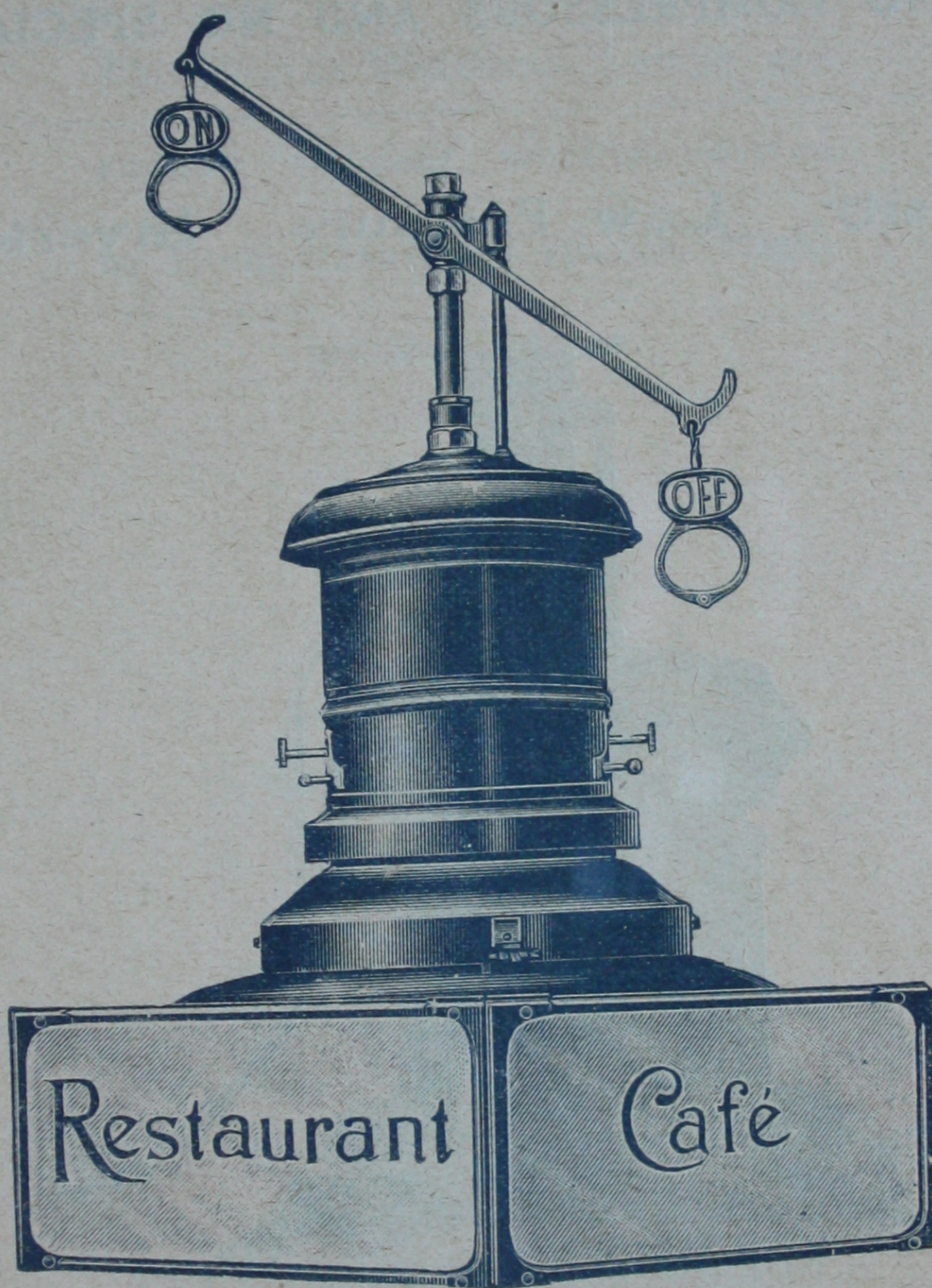
	Steel.	Copper Case.
1-Light, 120 c.p.	32/-	12/- extra.
2-Light, 240 c.p.	50/-	15/- "
3-Light, 360 c.p.	65/-	16/6 "



ADVERTISING SCREENS

For WELSBACH INVERTED ARC LAMPS.

Figs. 623, 625, &c.



Showing Fig. W625, fitted with Advertising Screen.

Consisting of Frame with Opal Glass Panels.

	For 2	3	4 Light Lamps.
Price without Inscription	20/-	20/-	22/- each.

Price of Inscription quoted on application.

When ordering please state our No. of the Lamp for which the sign is required.

Other styles, including Semi-Hexagonal, can be supplied to order or design at Special Prices.

WELSBACH LIGHT

WELSBACH

Self-Intensifying Storm-Proof Arc Lamps for Exterior Lighting on Low Pressure Gas.

SELF-CONTAINED. NO COMPRESSORS AND NO SPECIAL MAINS REQUIRED.

High Intensity. Low Pressure. Inverted System.



Type 1.

With Double Lever Cock, Permanent Pilot Light (By-pass) and Intermediate Ignition, being out of action whilst the Lamp is burning, thus procuring an enormous economy.

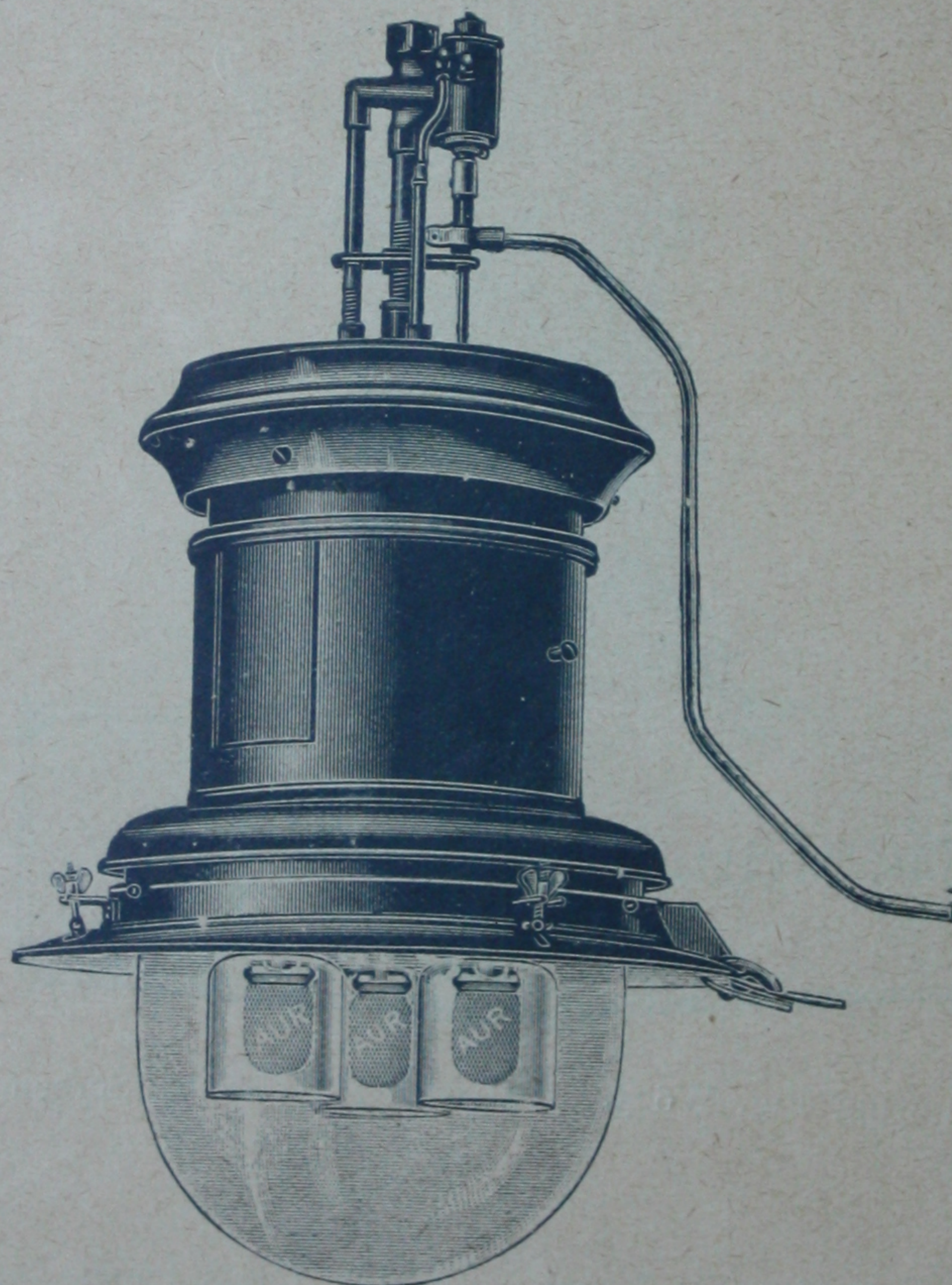


Fig. 627.

Produced in Two Types.

Type 2.

With Swing Lever and Ratchet Cock, Permanent Pilot Light and Intermediate Ignition, being out of action whilst the Lamp is burning, thus procuring an enormous economy. Provision for re-lighting the Lamp from the outside if the Pilot Light is not in use, or is accidentally extinguished. Midnight Cock, operated by simply pushing over the Swing Lever so that one light only continues to burn, the other light or lights being extinguished.

Best Type for Street Lighting.

	627B. 1-Light, 300 c.p.	627C. 3-Light, 600 c.p.	627D. 3-Light, 1,000 c.p.
Type 1	65/-	96/-	144/-
" 2	—	108/-	156/-
Price complete with Mantles and Glasses.			
Mantles	141/- per gross.	117/- per gross.	141/- per gross.
Mantle Protectors	86/-	70/-	86/-
Clear Glass Globes	6/9 each.	11/6 each.	13/3 each.

See page 146 for Illustrations, &c., of Renewals, Globes, and Mantle Protectors.



HIGH-PRESSURE LIGHTING.

Pharos-Welsbach Outdoor Lamps.

HIGHEST KNOWN EFFICIENCY. LOWEST CONSUMPTION.

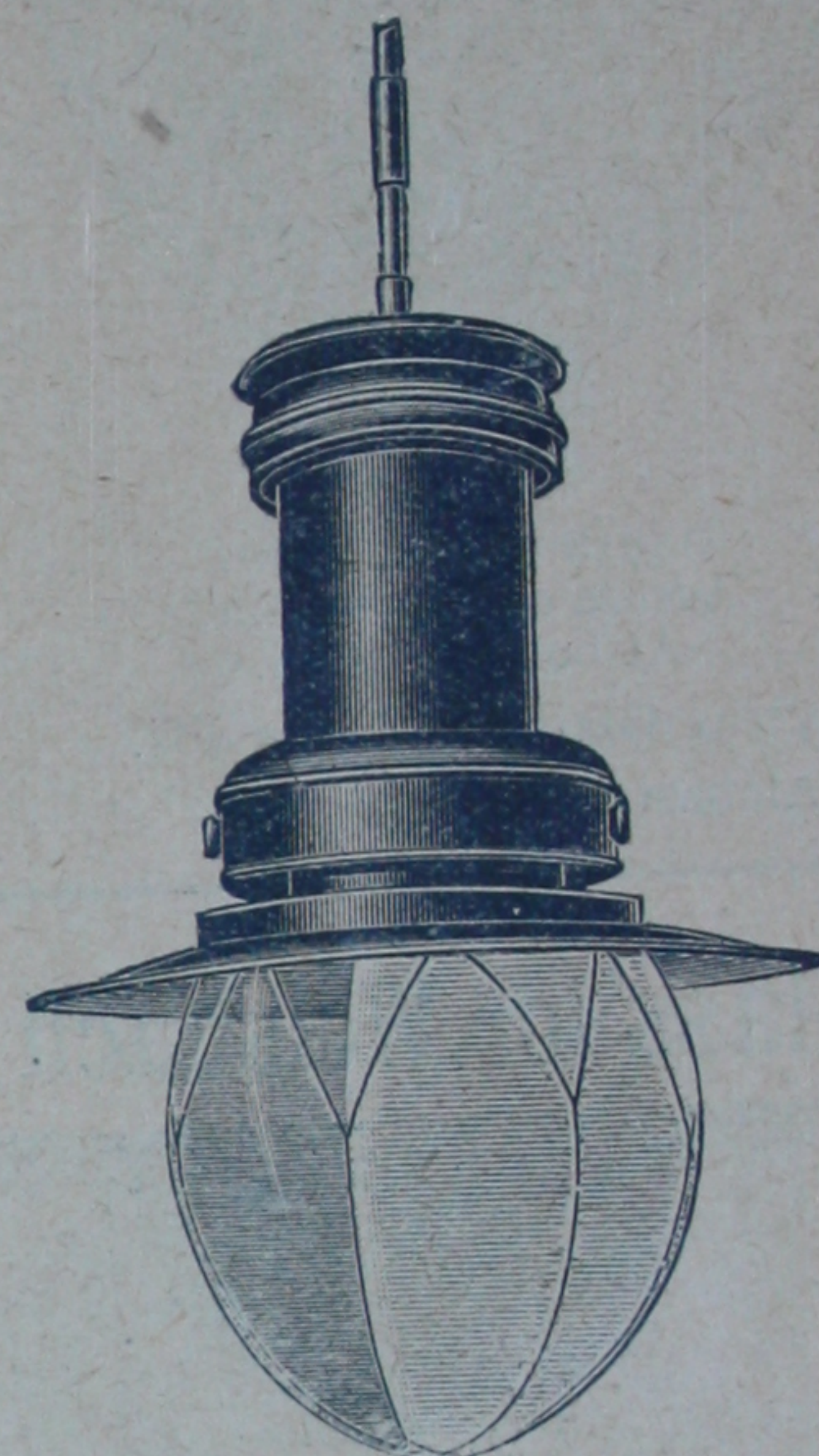
The Pharos-Welsbach Lamps are
equally efficient whether driven
by Compressors or run on High-
pressure Mains.



No. W99.

**Small Pharos-Welsbach
Inverted Lamp.**

For Burners of 90 to 180 c.p.



No. W100 G or A.

Special Inverted Outdoor Lamp.

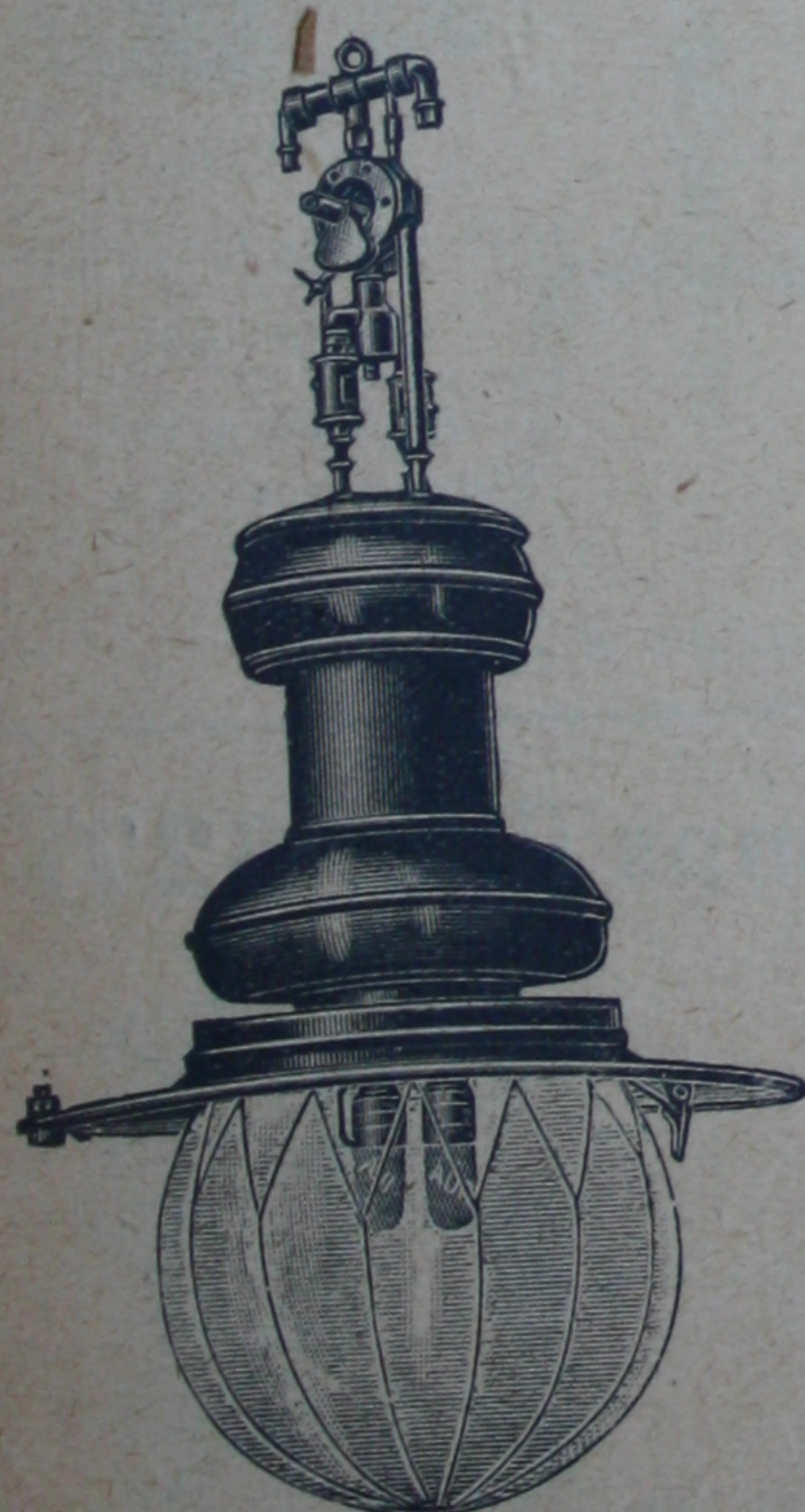
For Burners of from 300 to 1350 c.p.

G. means High-pressure Gas.

A. means Compressed Air.

Full details and Specifications on
application.

One of our Public Lighting
Engineers will run down and
estimate free of charge in the
United Kingdom.

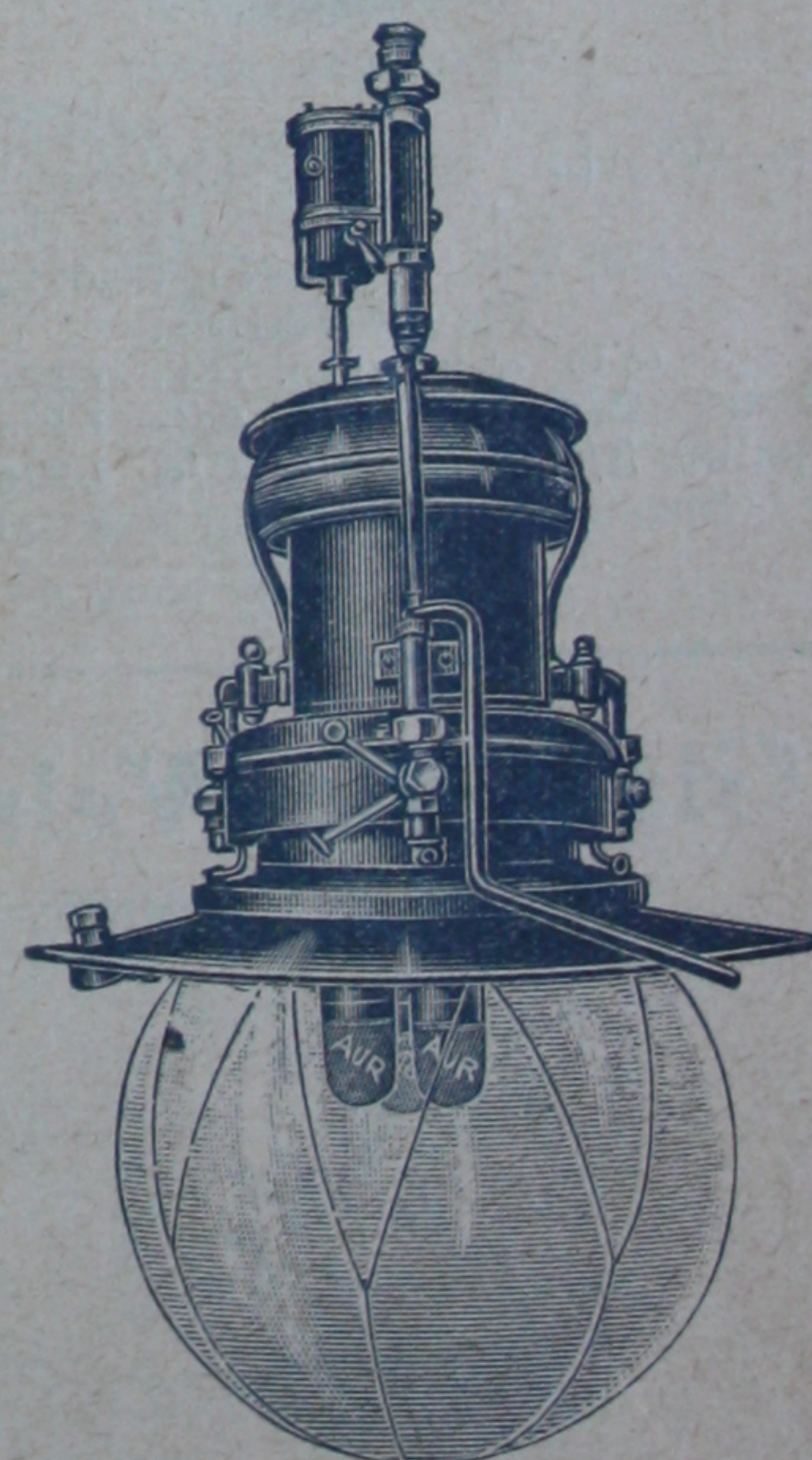


No. W102 A or W103 A.

**2 or 3-Light Special Inverted
Outside Lamp.**

For 1100 to 2000 c.p.

Compressed Air Lamp.



No. 102 G or 103 G.

**2 or 3-Light Special Inverted
Outside Lamp.**

For 1100 to 4500 c.p.

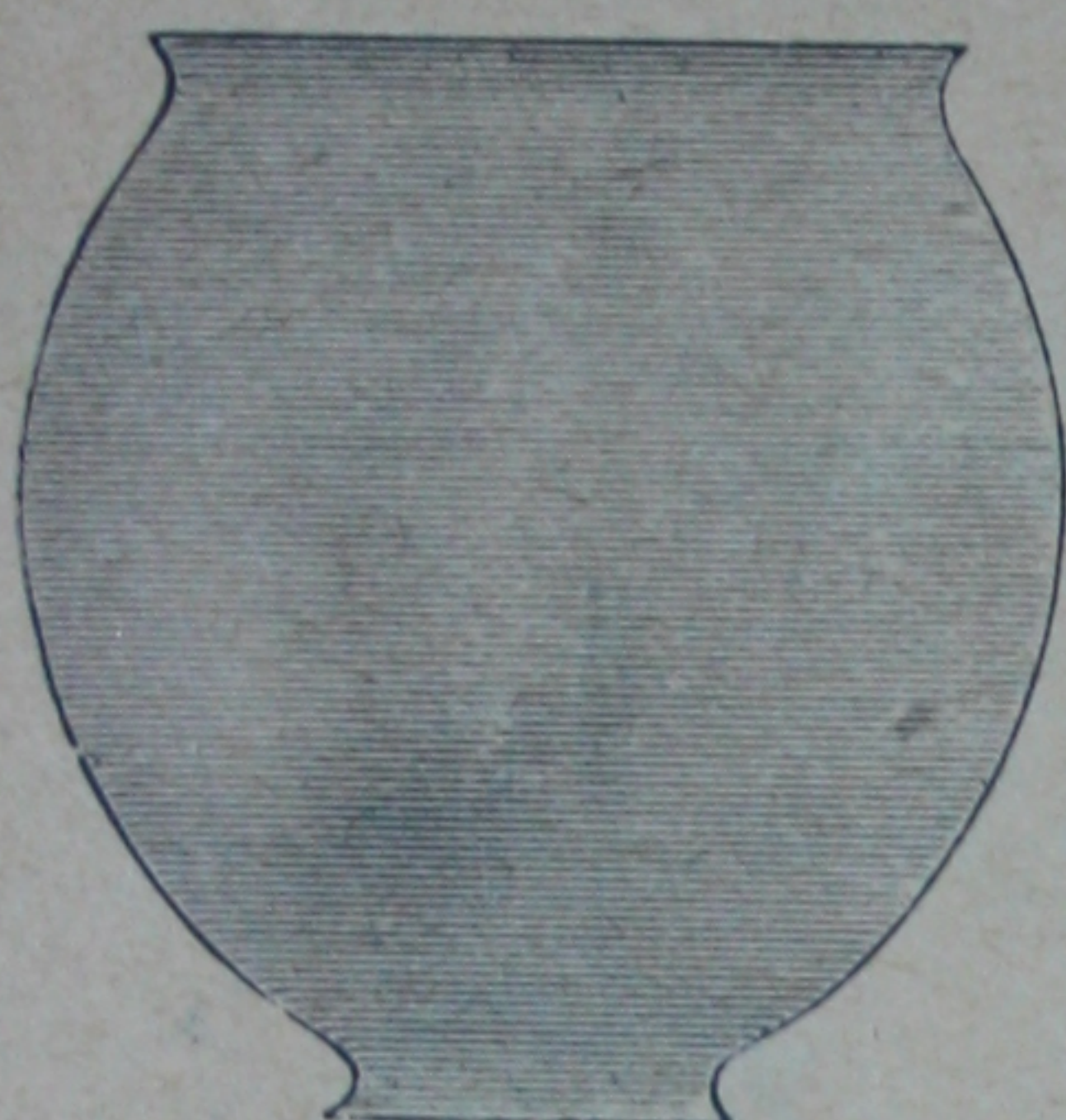
High-pressure Gas Lamp.

ASK FOR SEPARATE LIST.

WELSBACH LIGHT

Globes for Arc Lamps, Cluster Lamp, and Inverted Arc.

No. W609 (page 137).



No. W609.

Width at top, 7 $\frac{3}{4}$ -in.
Across centre, 10 $\frac{3}{4}$ -in.
At bottom, 4 $\frac{3}{4}$ -in.

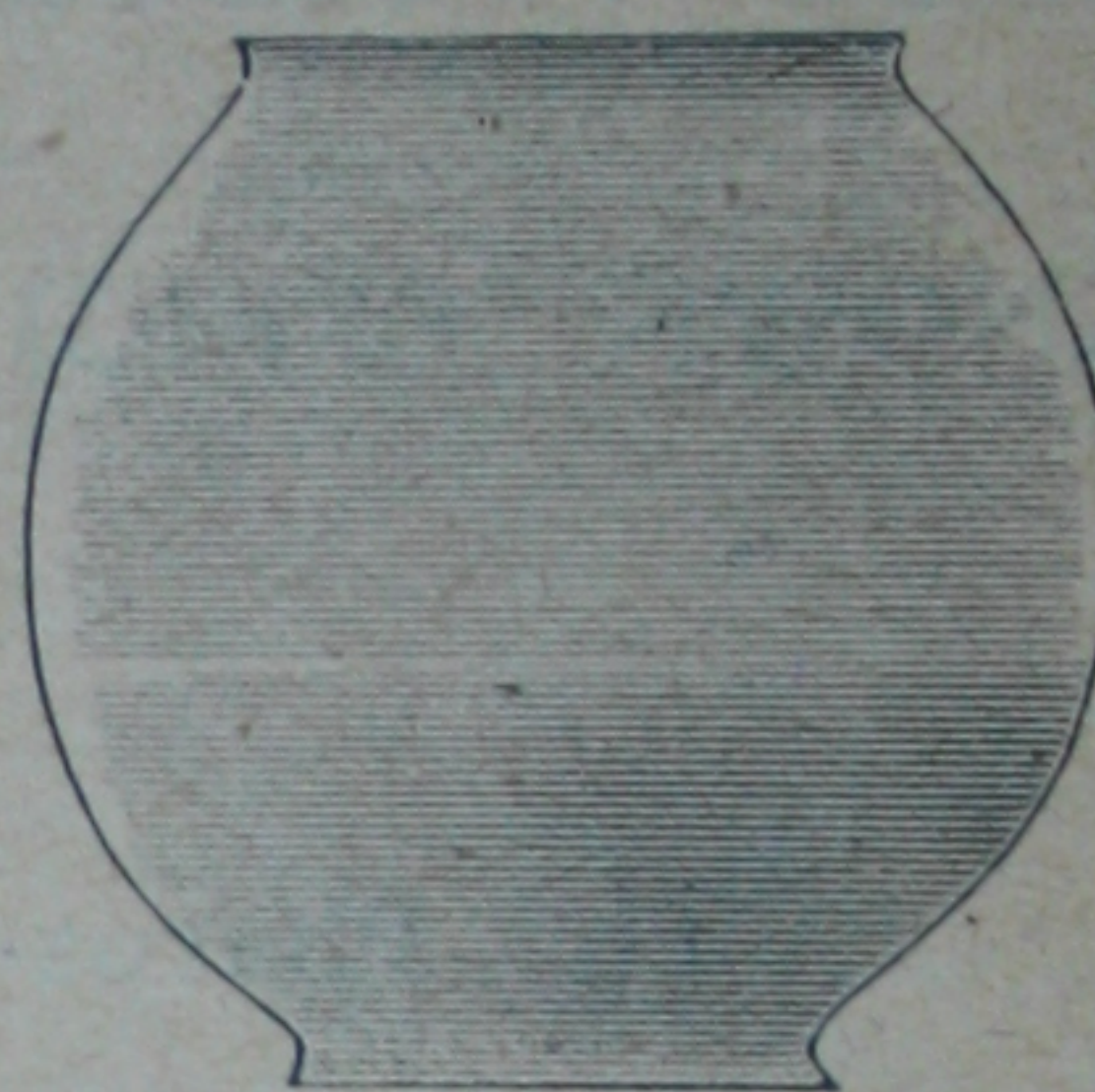
Clear Glass, 30/- per doz.
Alabastrine, 48/- "



No. W609.

Width at top, 7 $\frac{3}{4}$ -in.
Across centre, 10 $\frac{3}{4}$ -in.
At bottom, 4 $\frac{3}{4}$ -in.

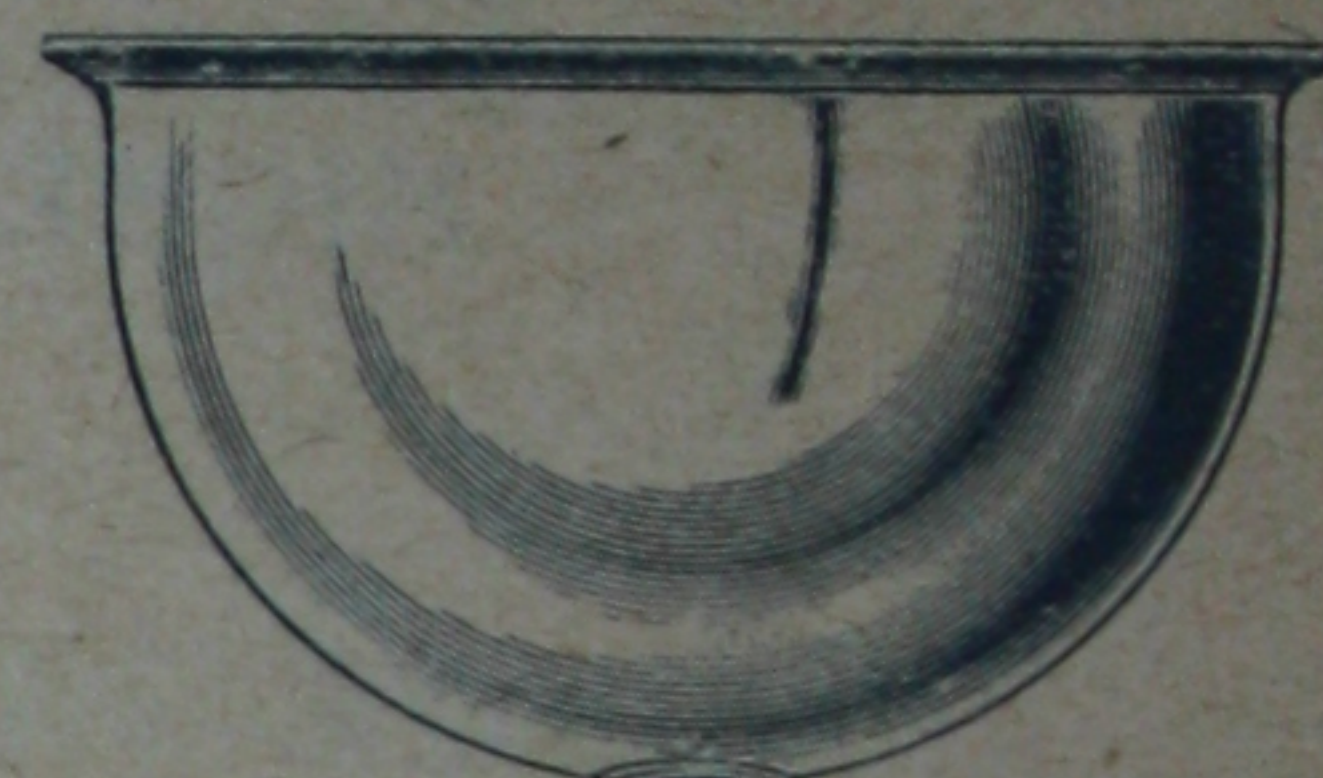
Half-diagonal Opal and Flint,
72/- per doz.



No. W615.

Width at top, 5 $\frac{1}{4}$ -in.
Across centre, 8 $\frac{1}{4}$ -in.
At bottom, 4 $\frac{3}{4}$ -in.

Clear Glass, 26/- per doz.
Alabastrine, 36/- "



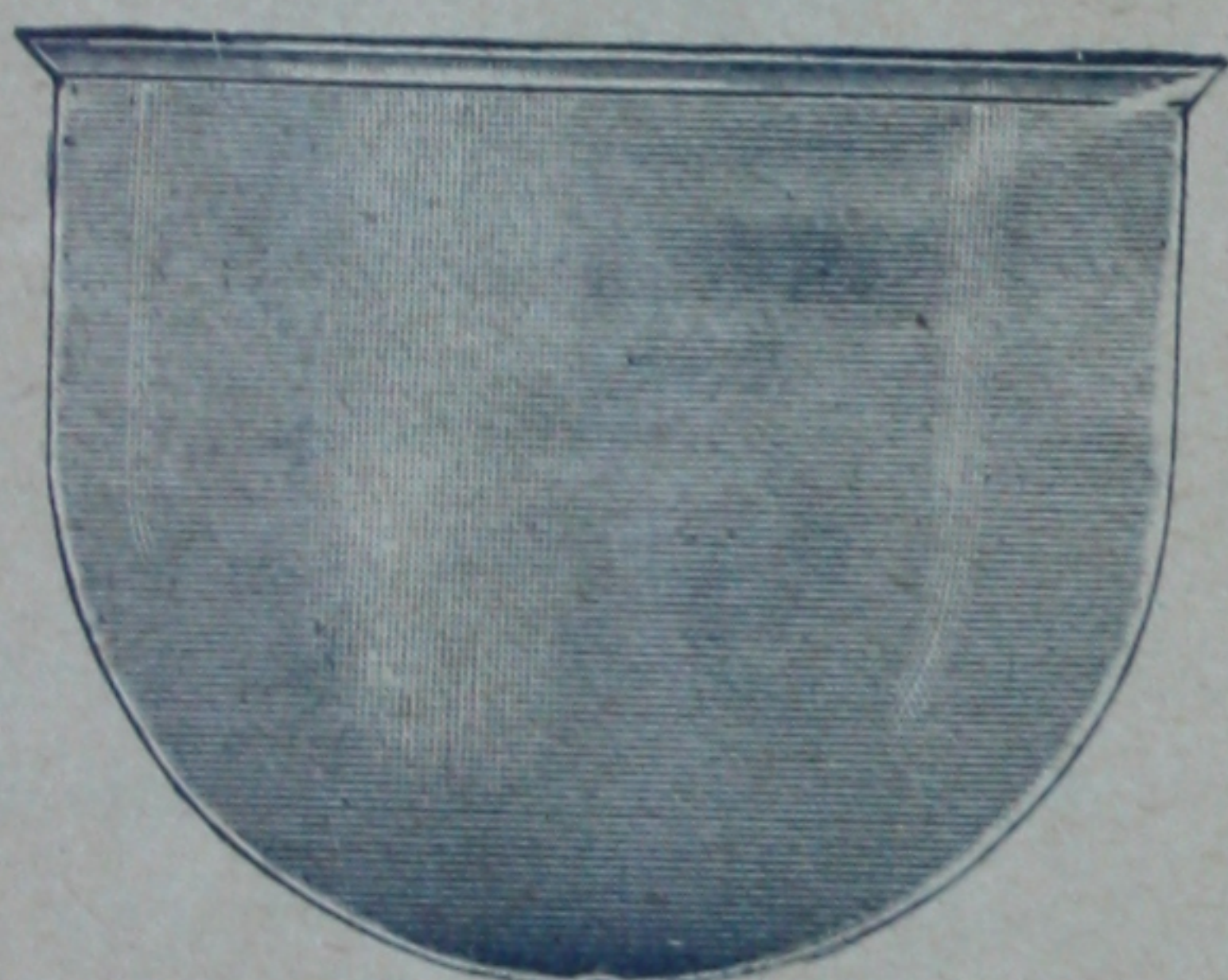
No. W621.

Inverted Arc, clear glass,
36/- per doz.

Supplied either with or
without hole at base.

State width of flange over all
when ordering, as there are
several widths and prices.

Glass for Welsbach Lamps (Figs. W623, W624 & W625), and for Graetzin Outdoor Lamps.



Clear Jena Bowls.

1 No. W731L. 2 No. W836L. 3 No. W761L.

4 No. W761L. 5 Light.

Flange Fitting.

6 $\frac{1}{2}$ -in. 9 $\frac{1}{2}$ -in. 11-in. 11-in. 13 $\frac{1}{2}$ -in.
Clear 2/4 4/- 6/6 6/6 11/- each.
Opaline 3/6 6/2 8/6 8/6 13/6 "

Special quotations for case lots.

Welsbach Lamps.

Figs. W623 & W624
take glass as follows—

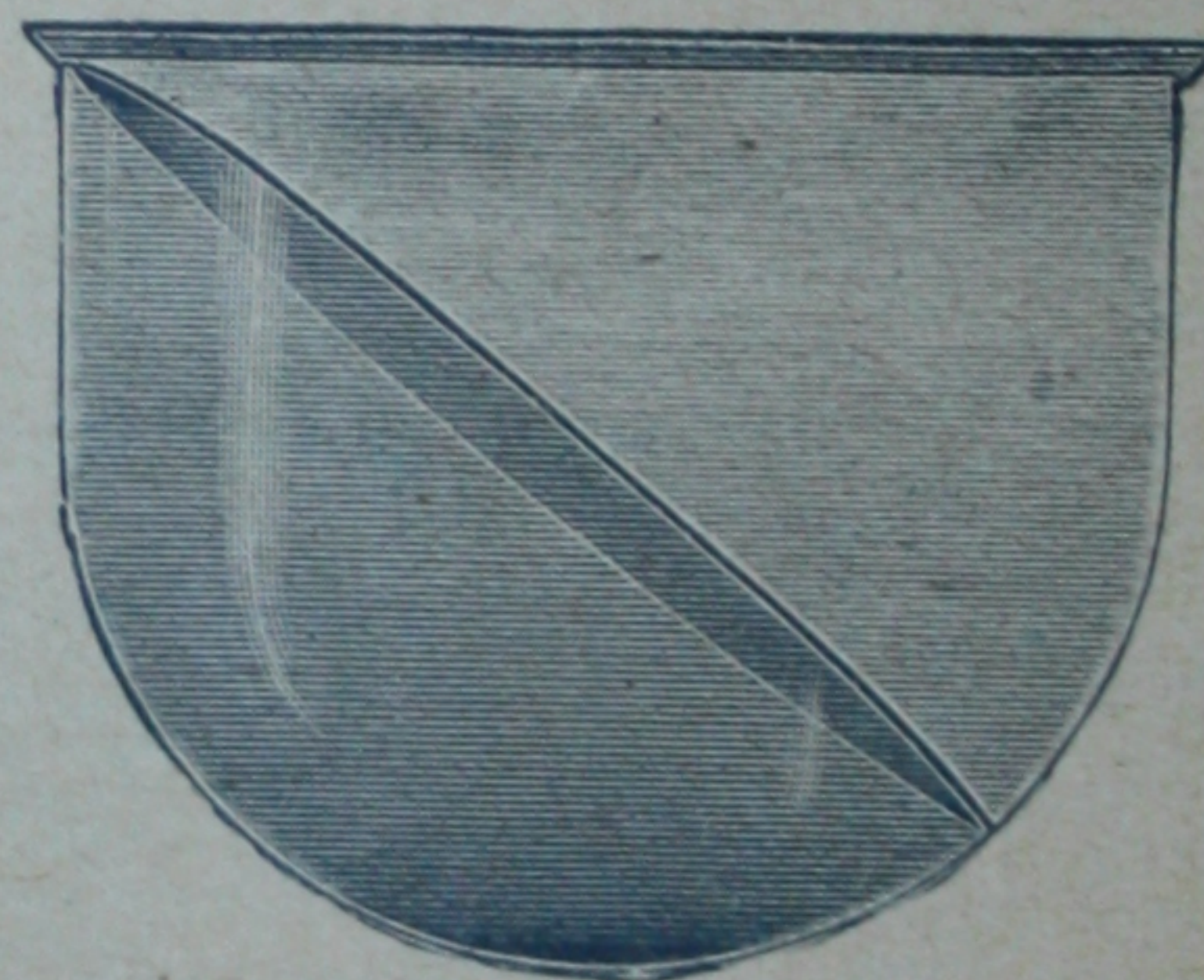
1-Light as Graetzin.

2 and 3-Light as

3-Light Graetzin.

4-Light as

5-Light Graetzin.



Opal and Flint Diagonal Bowls.

1 2 3 4 5-Light.
6/- 10/- 14/- 14/- 17/- each.



No. W829.

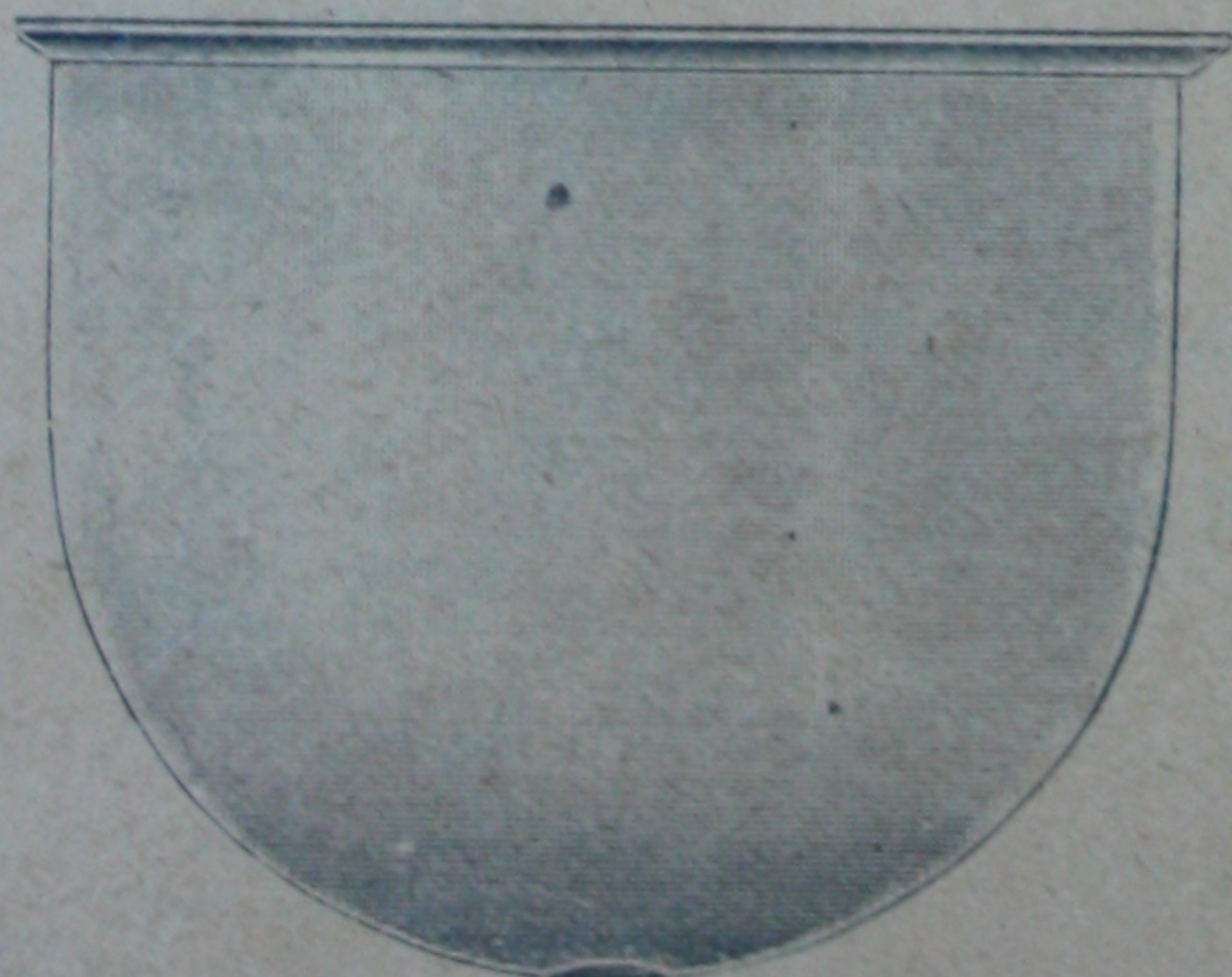
2 $\frac{1}{2}$ -in. fitting for Lamps.

4/6 per doz.

46/- per gross
by 4-gross case.

Wire Nets for above Bowls. 1-Light, 2/6; 2-Light, 3/6; 3-Light, 3/6; 4-Light, 3/6; 5-Light, 4/- each.

Glass for Welsbach Inverted Self-Intensifying Lamps (Fig. 627)



No. W1349.

Clear Jena Bowls.

Lights 1
300 c.p.
6/9

2
600 c.p.
11/6

3
1,000 c.p.
13/3 each.



No. W1350J.

Jena Inner Glasses.

For Fig. 627. 600 c.p. Lamp.
6/6 per doz. 70/- per gross.



No. W1411J.

Jena Inner Glasses.

For Fig. 627.
300 and 1,000 c.p. Lamps.
8/- per doz. 86/- per gross.

WELSBACH LIGHT

Swan Necks and Harps for Columns.

Painted One Coat, for Lamps Fig. 623 and 625.



Fig. 1960.

Plain ...	3-in. Barrel, for 1 and 2 Lights,	16/= each
Ornamental... 3-in.	" 1 " 2 "	21/= "
Plain ...	1-in. " 3 " 4 "	19/6 "
Ornamental... 1-in.	" 3 " 4 "	24/= "

SOCKETS
FIT
3-INCH
SPIGOTS.

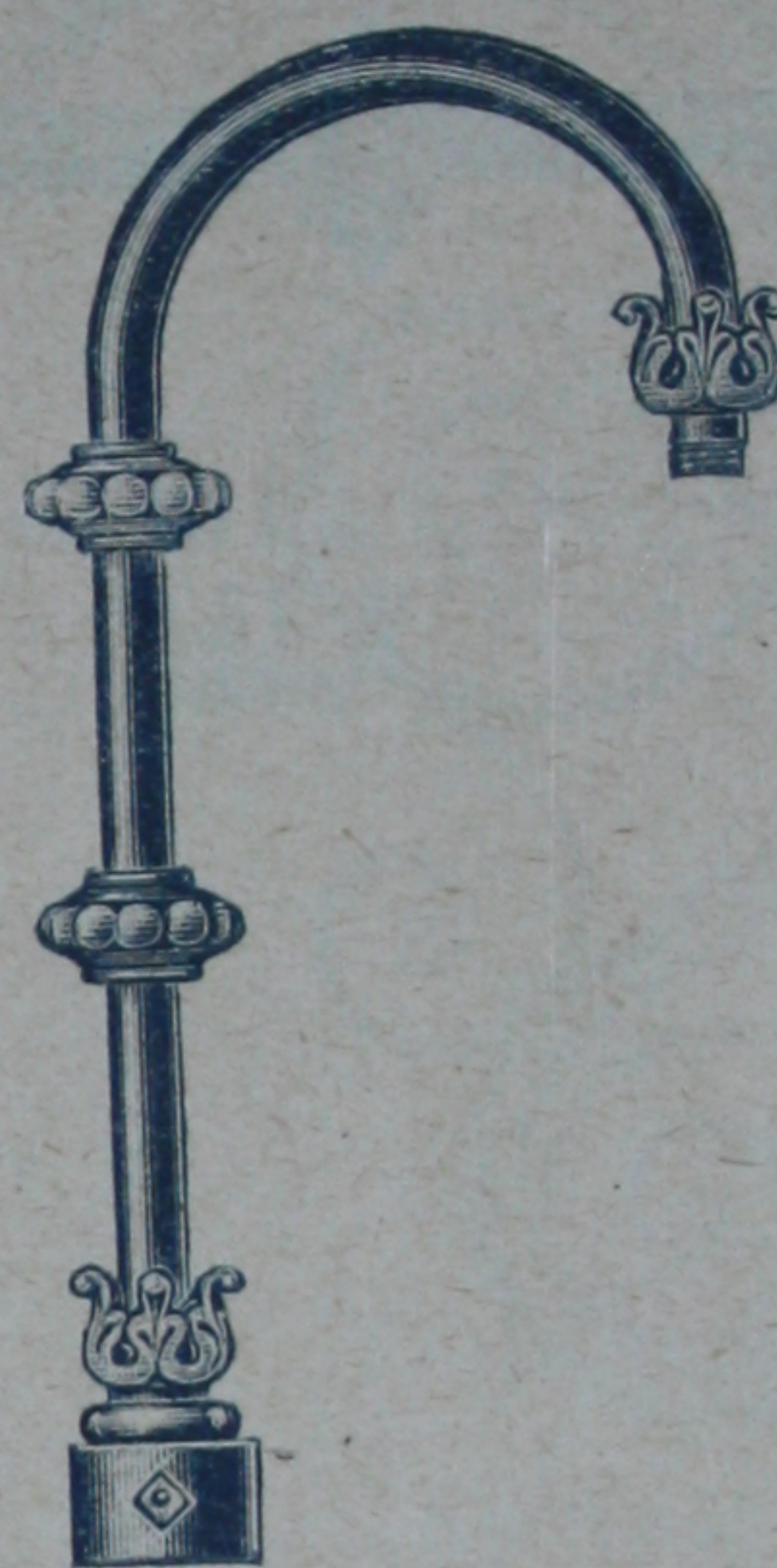


Fig. 1961.

3-in. Barrel, for 1 and 2 Lights,	19/6 each
1-in. " 3 " 4 "	22/= "

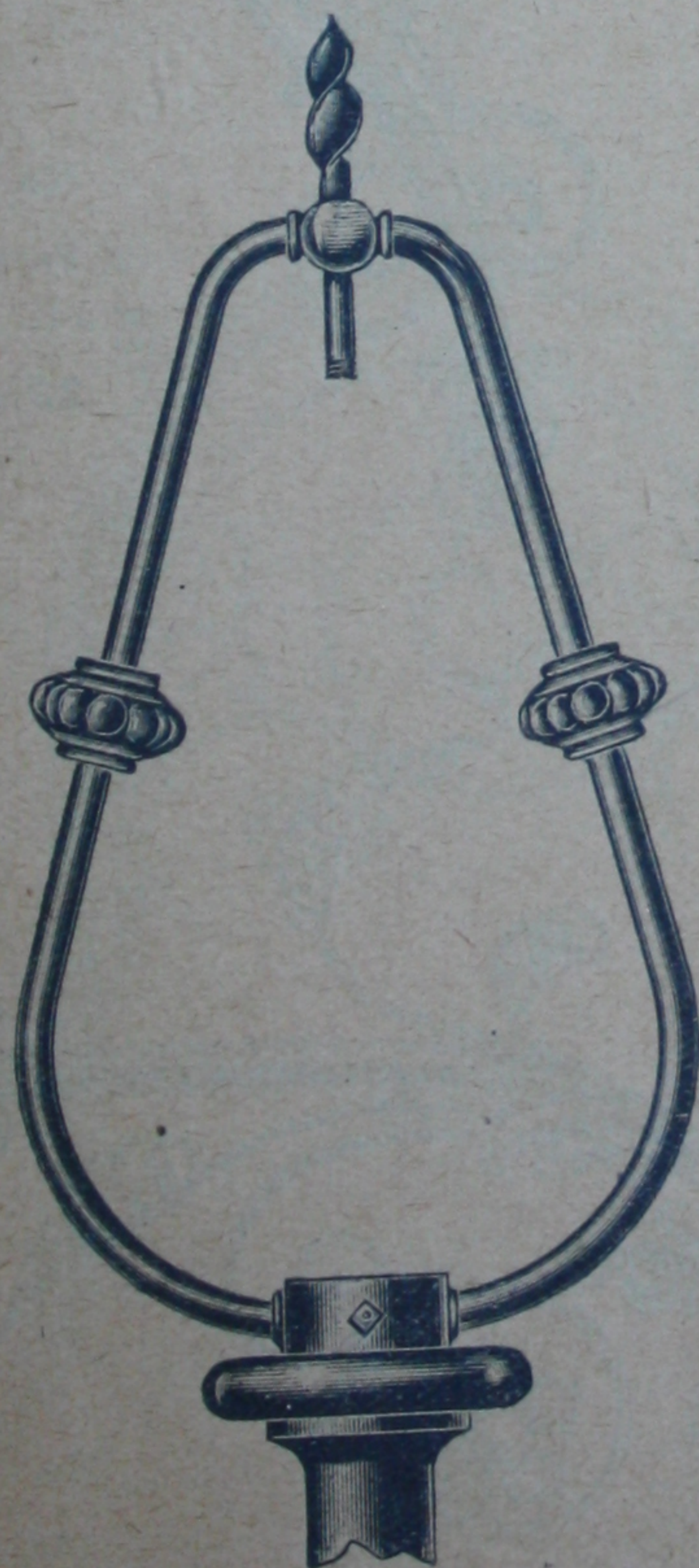


Fig. 1962.

3-in. Barrel, for 1 and 2 Lights,	25/= each
1-in. " 3 " 4 "	31/= "

Quotations
on
Application
for
Swan Necks
and
Harps
for
Fig. 627
Lamps.

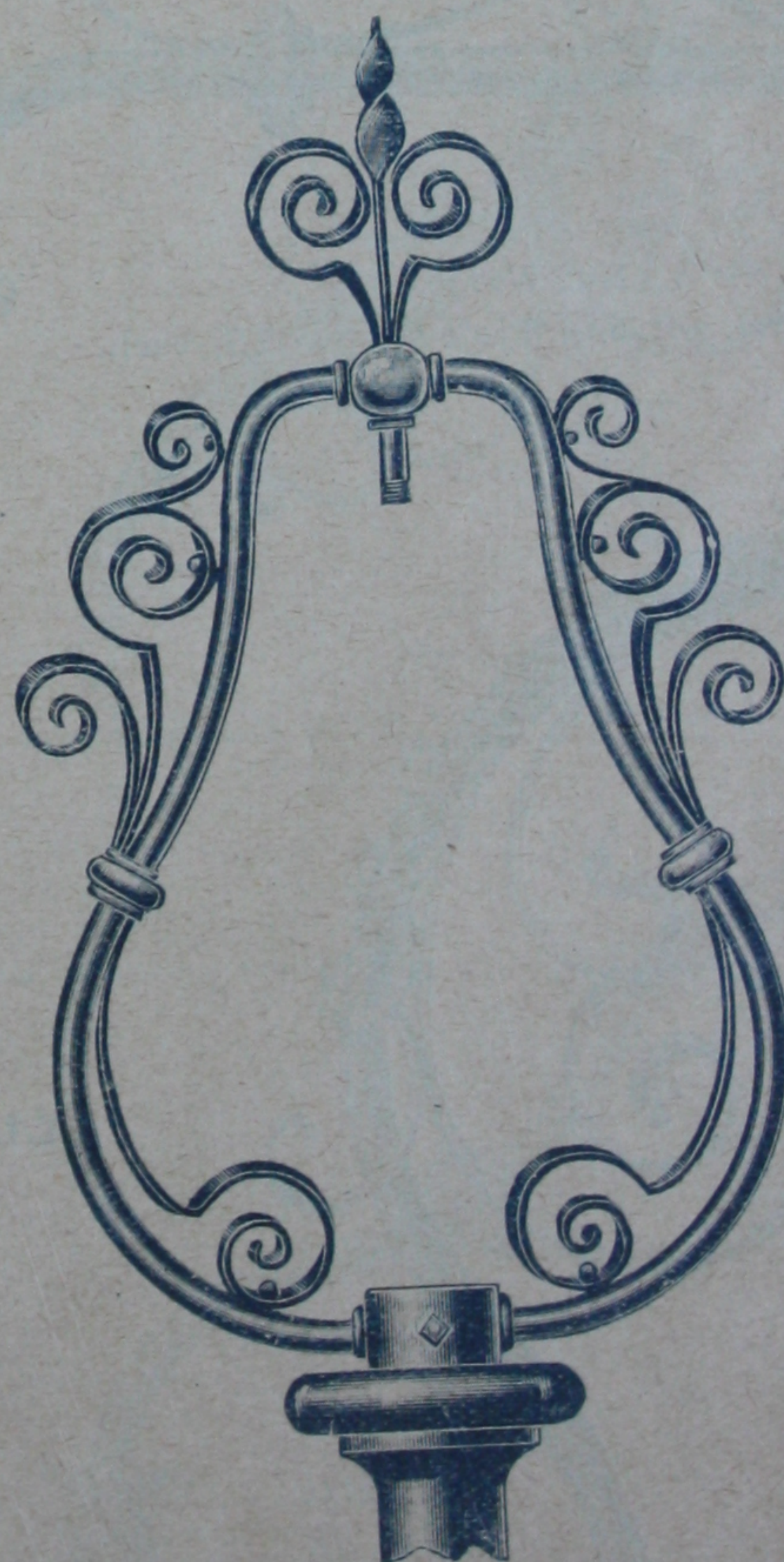
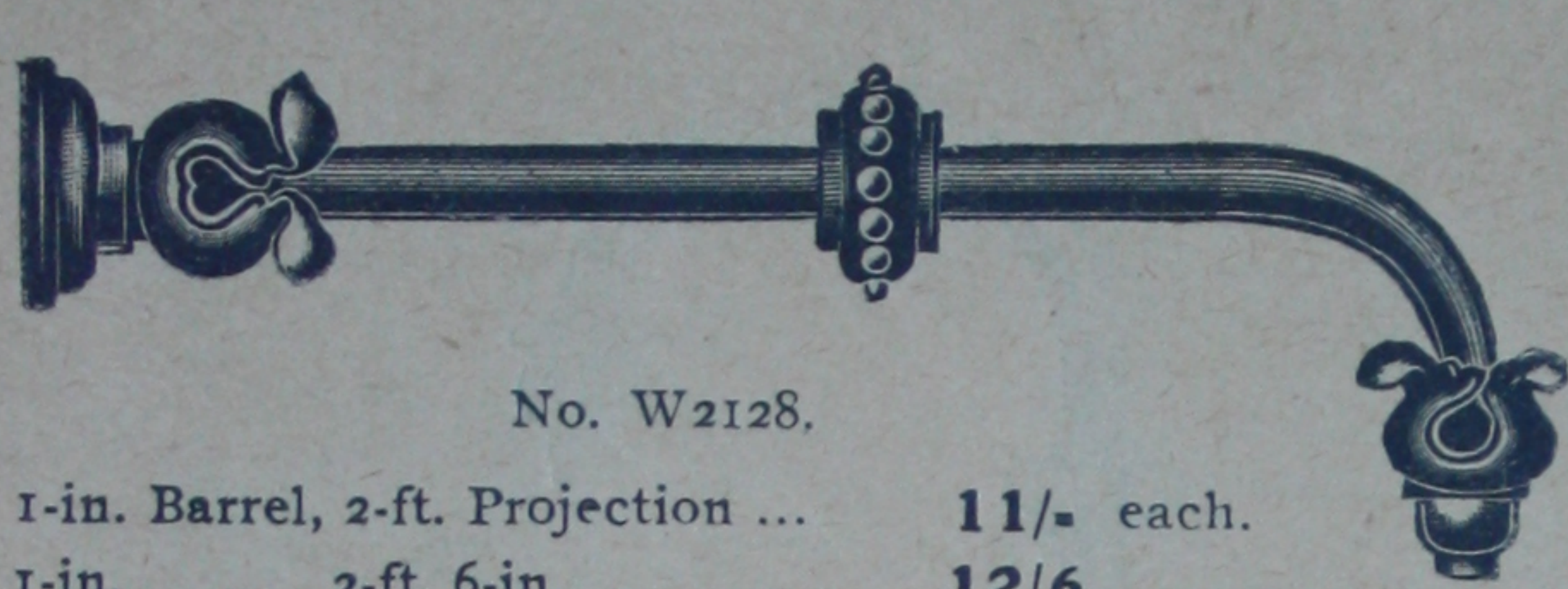


Fig. 1963.

3-in. Barrel, for 1 and 2 Lights,	37/= each
1-in. " 3 " 4 "	45/= "
Without Scroll Work.	
15/= less for 3-in. and 17/= less for 1-in.	

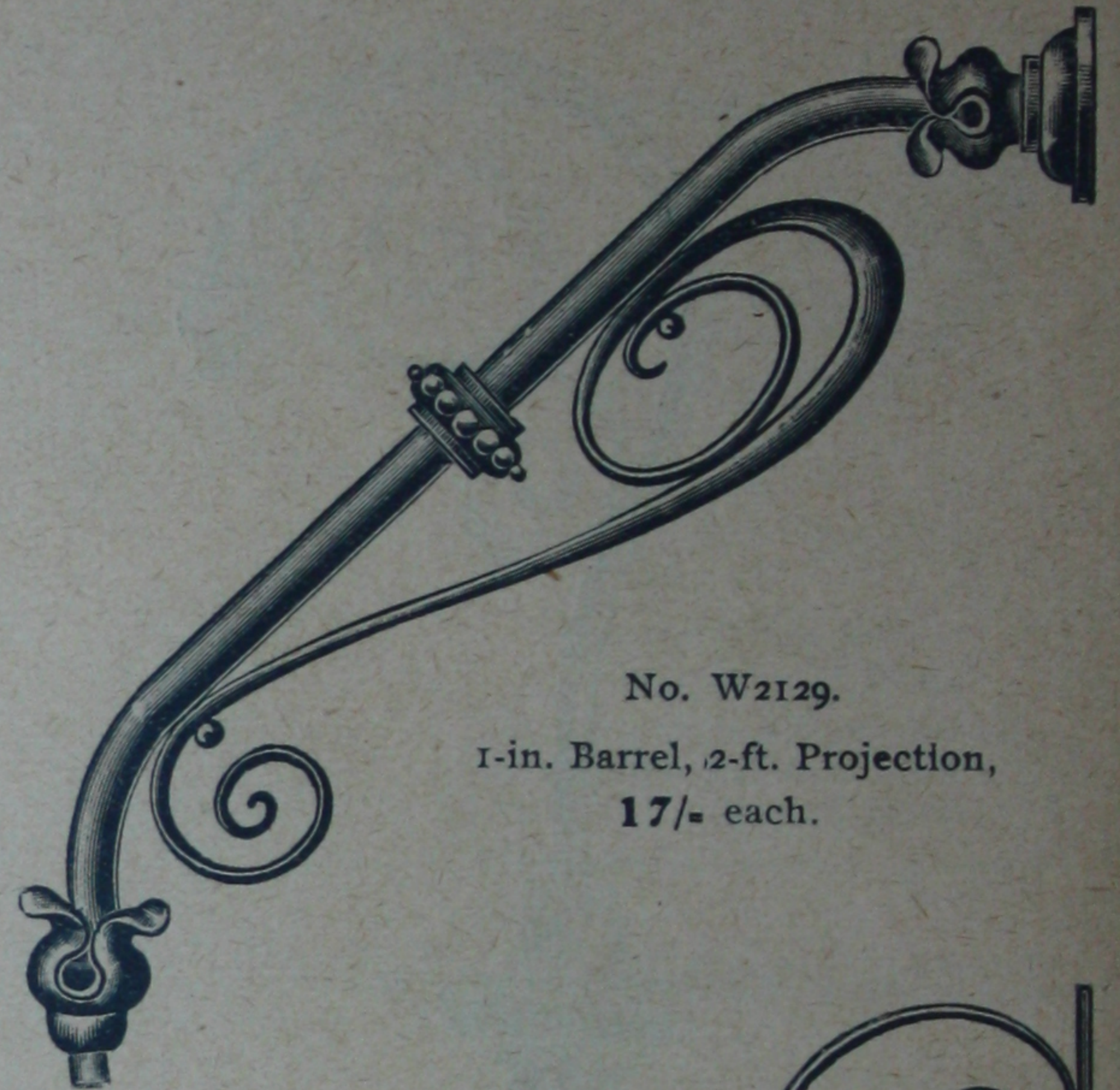
WELSBACH LIGHT

Wrought Iron Wall Brackets for Arc Lamps, etc.



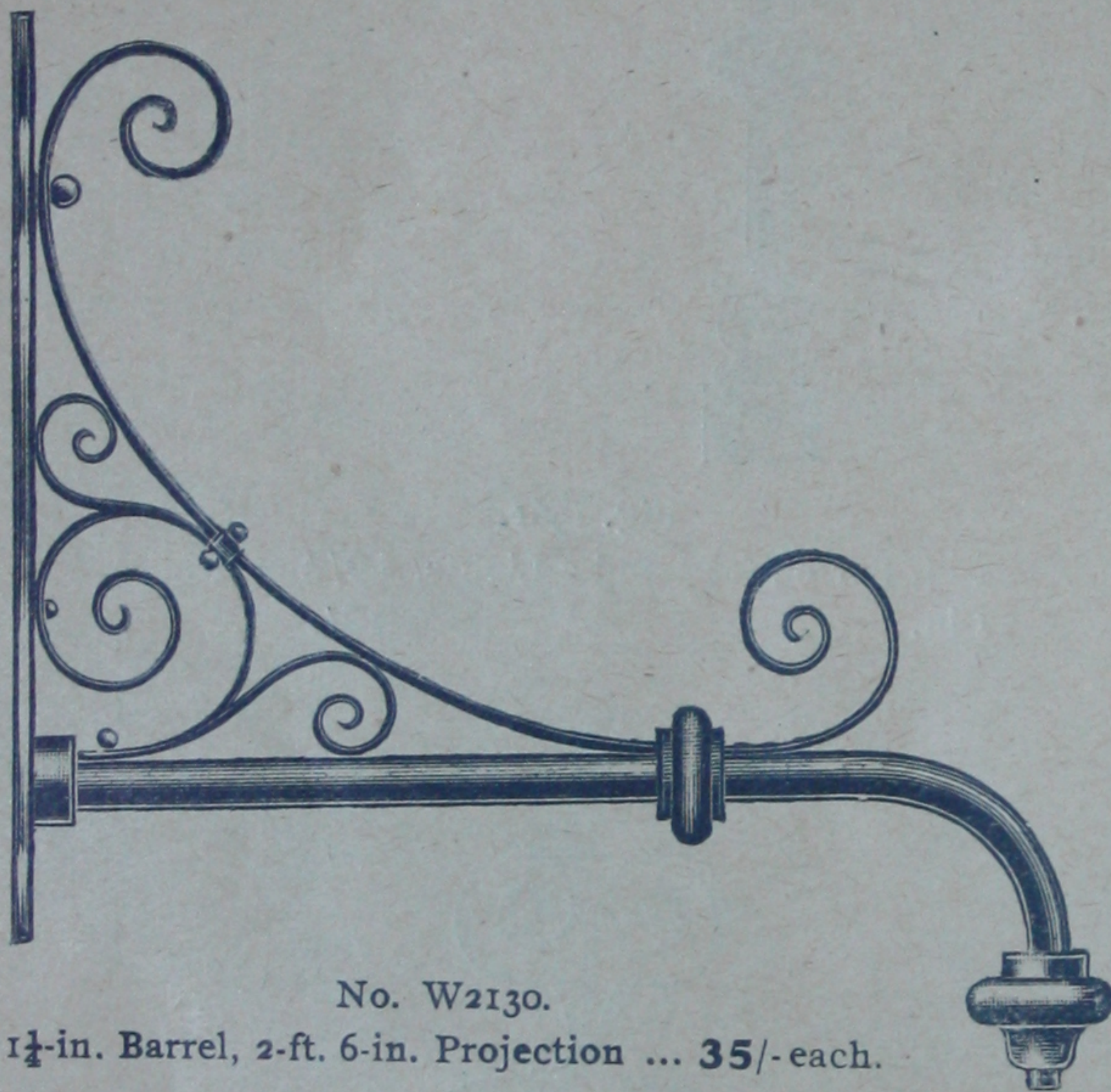
No. W2128.

1-in. Barrel, 2-ft. Projection ...	11/- each.
1-in. „ 2-ft. 6-in. „ ...	12/6 „
1-in. „ 3-ft. „ ...	14/- „



No. W2129.

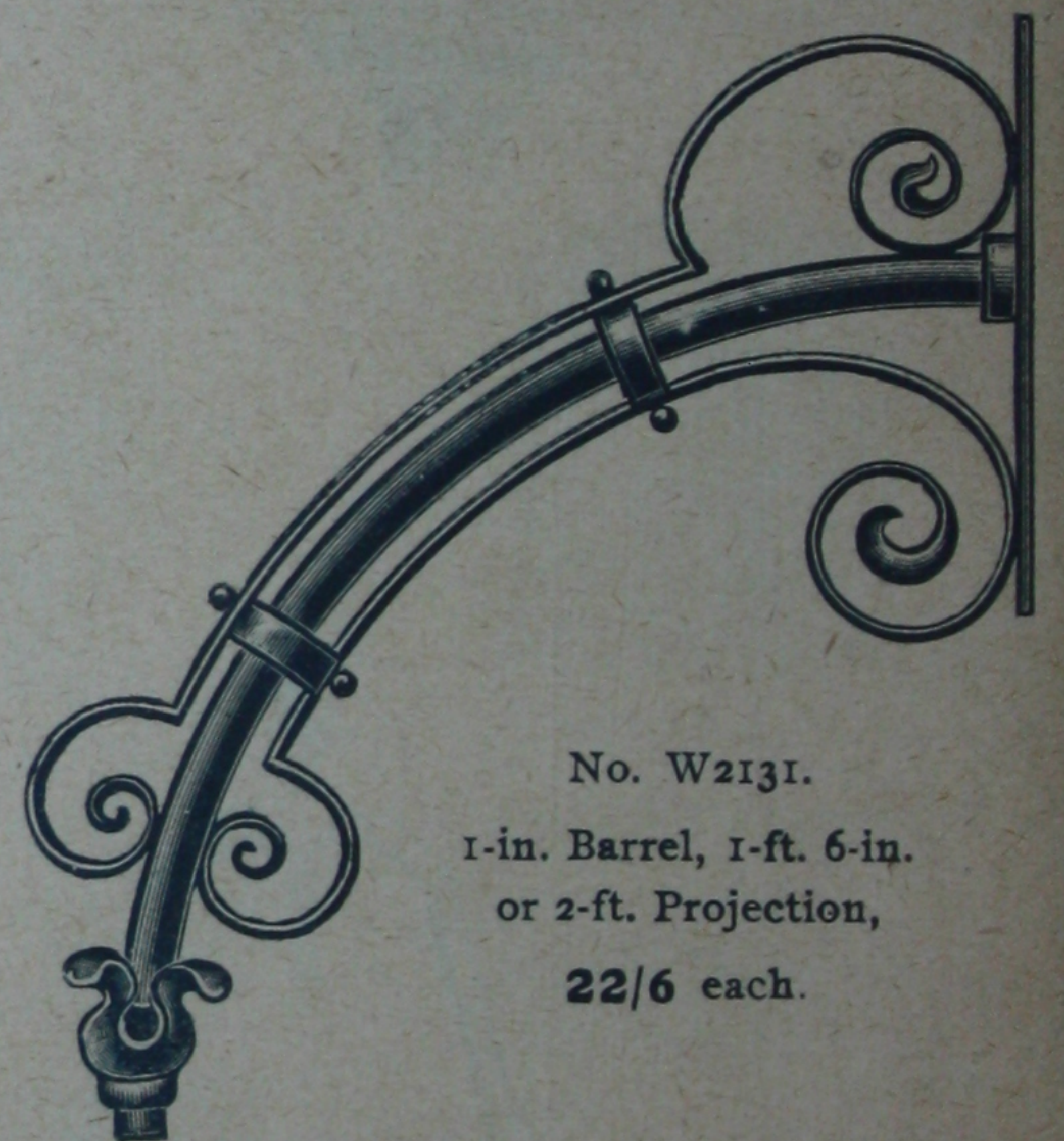
1-in. Barrel, 2-ft. Projection,
17/- each.



No. W2130.

1½-in. Barrel, 2-ft. 6-in. Projection ... 35/- each.

ANY TYPE IN
¾-inch BARREL,
2/3 EACH LESS.



No. W2131.

1-in. Barrel, 1-ft. 6-in.
or 2-ft. Projection,
22/6 each.



No. W2132.

1-in. Barrel,
1-ft. or 1-ft. 6-in.
Projection,
26/- each.

ALL PLAIN PAINTED
ONE COAT.



No. W2133.

1-in. Barrel,
2-ft. Projection,
39/- each.

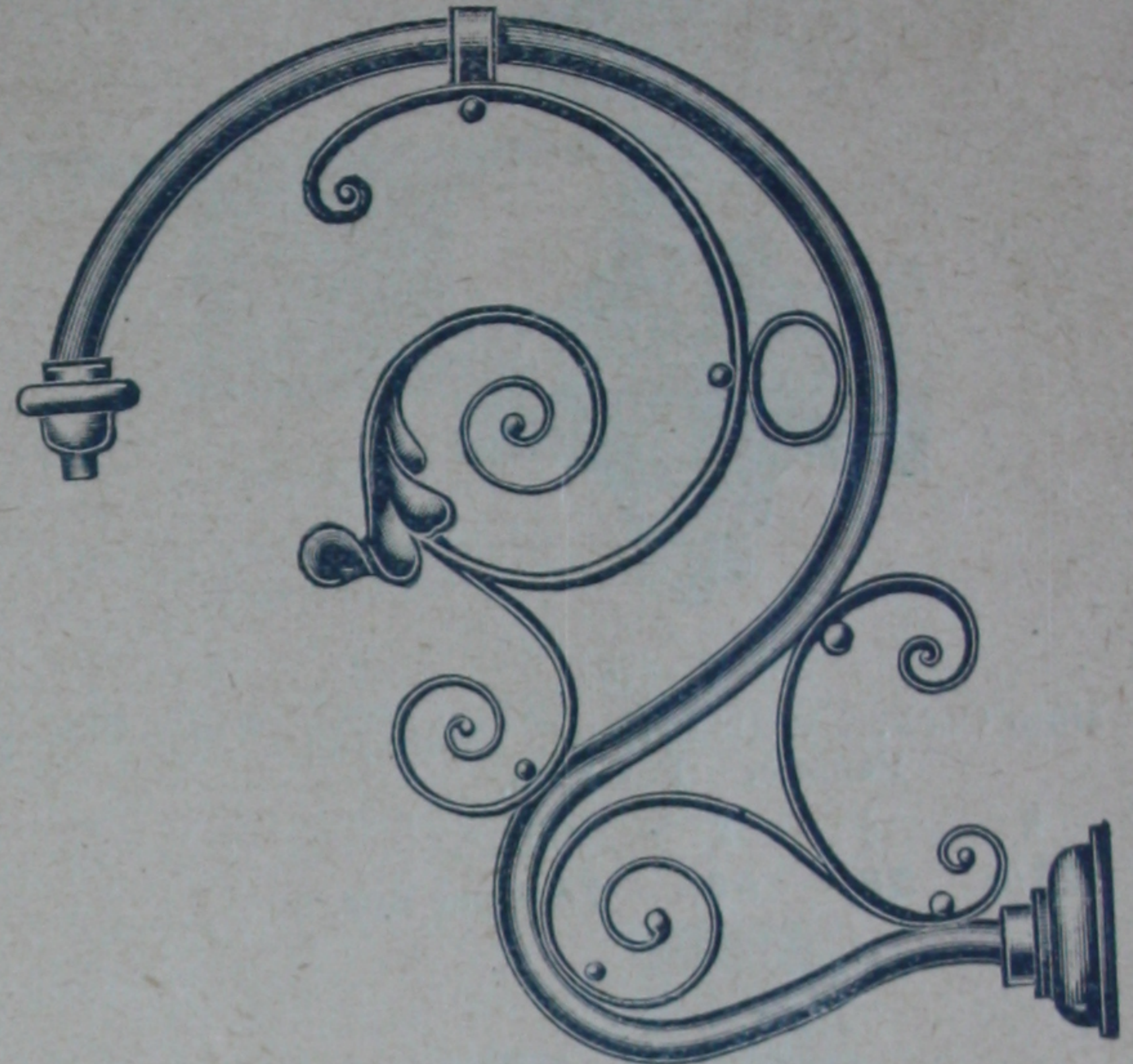
WELSBACH LIGHT

Wrought Iron Wall Brackets for Arc Lamps, etc.



No. W2134.

1-in. Barrel, 2-ft. 6-in. to 3-ft. Projection ... 40/- each.
1½-in. " " " " ... 45/- "



No. W2135.

1-in. Barrel, 3-ft. Projection ... 56/- each.



No. W2136.

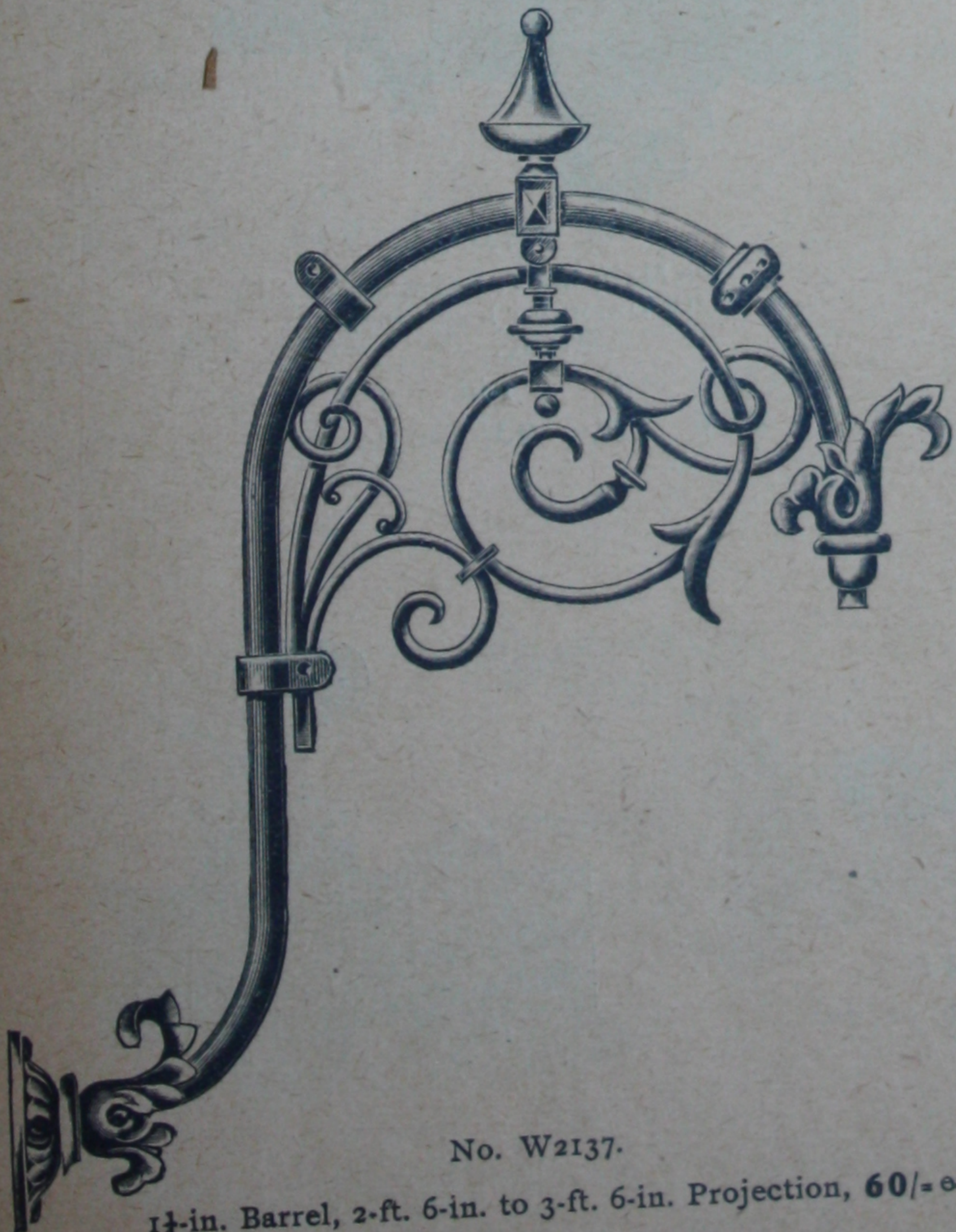
1-in. Barrel, 2-ft. 6-in. to 3-ft. Projection ... 28/- each.
1½-in. " " " " ... 32/- "

ANY TYPE
IN ¾-inch
BARREL,
2/3 EACH
LESS.



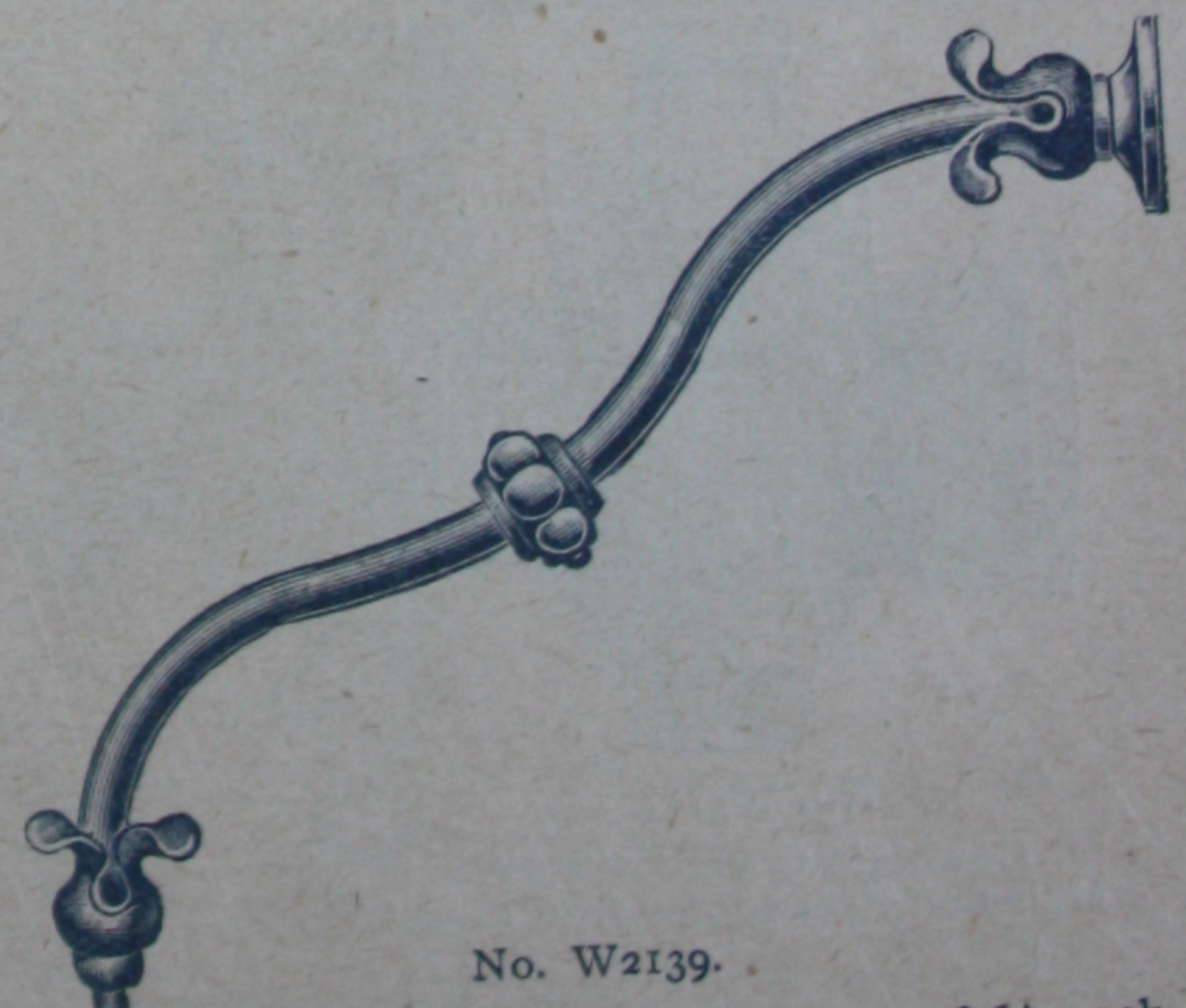
No. W2138.

1-in. Barrel, 2-ft. to 2-ft. 6-in. Projection ... 40/- each.



No. W2137.

1½-in. Barrel, 2-ft. 6-in. to 3-ft. 6-in. Projection, 60/- each.



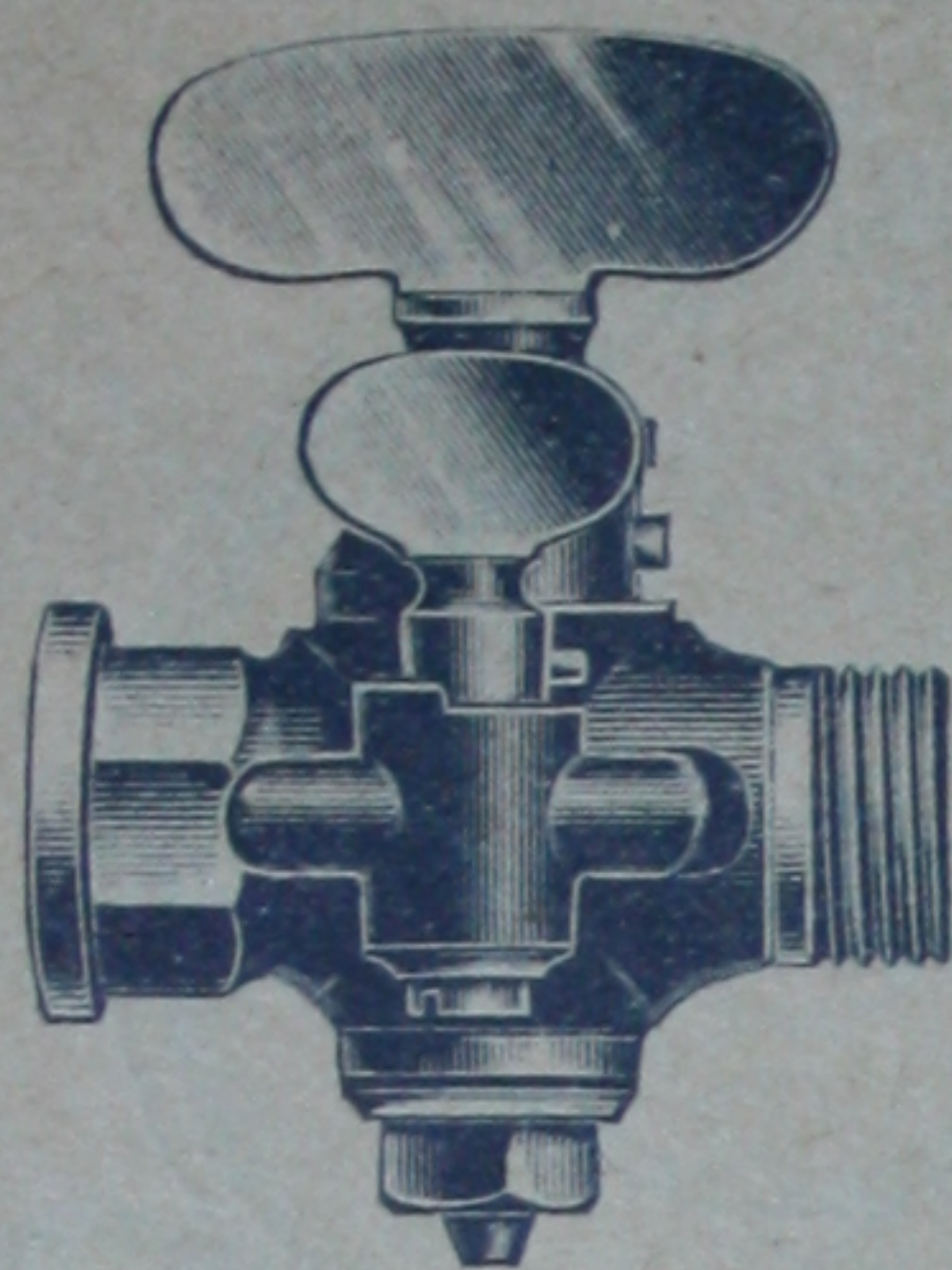
No. W2139.

1-in. Barrel, 2-ft. to 3-ft. Projection ... 16/- each.

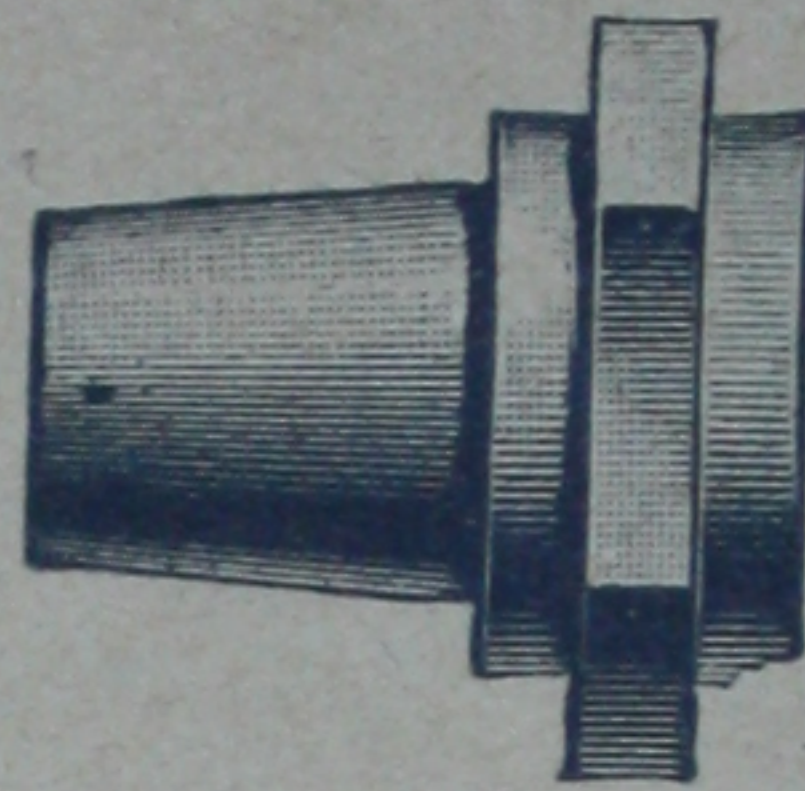
ALL PLAIN PAINTED ONE COAT.

WELSBACH LIGHT

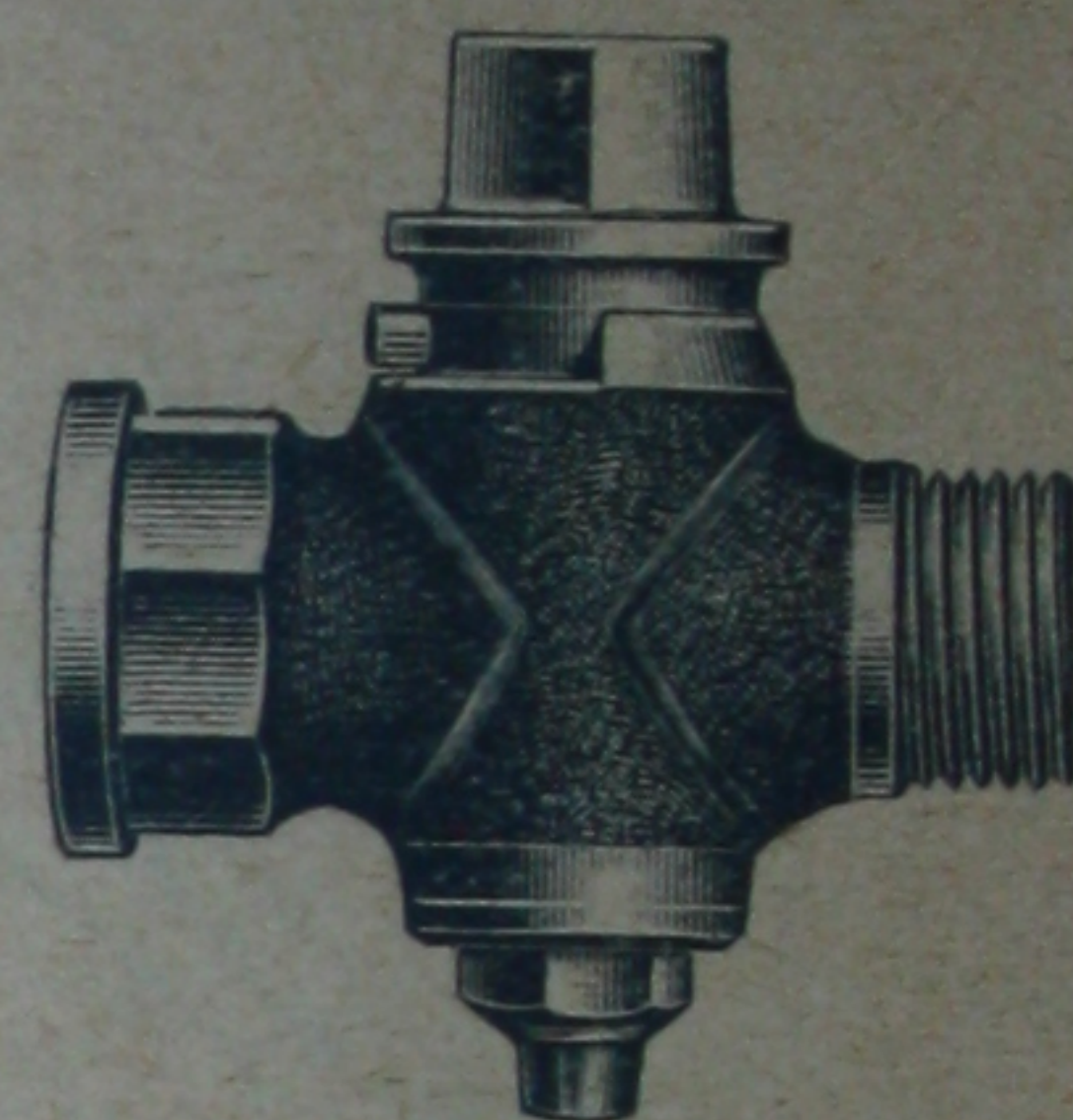
Gas Fittings and Connections.



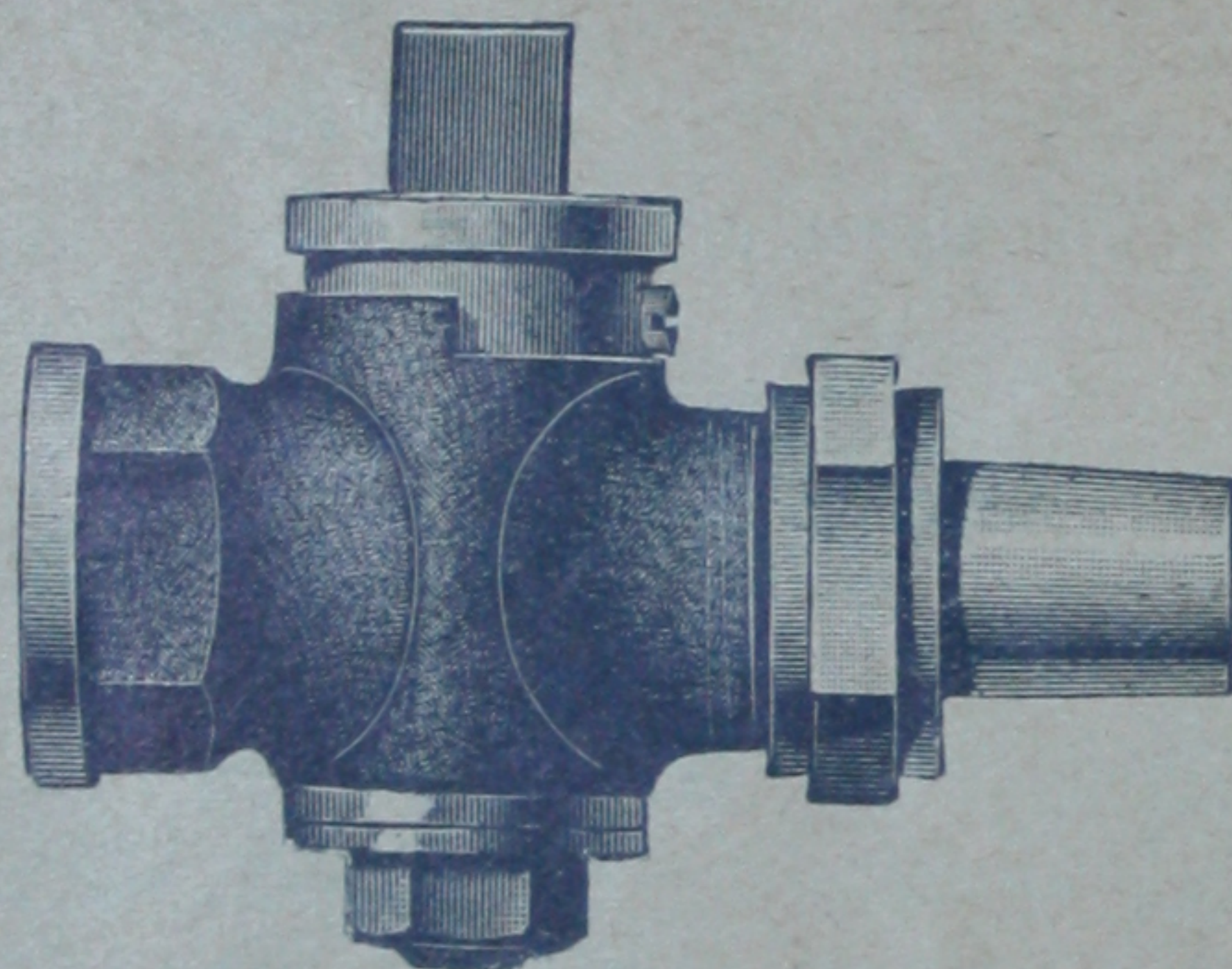
No. W3536.
Main Cock, With By-Pass. Male and Female. For Iron.
 $\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ 1-in.
28/6 38/- 50/- 75/- per doz.



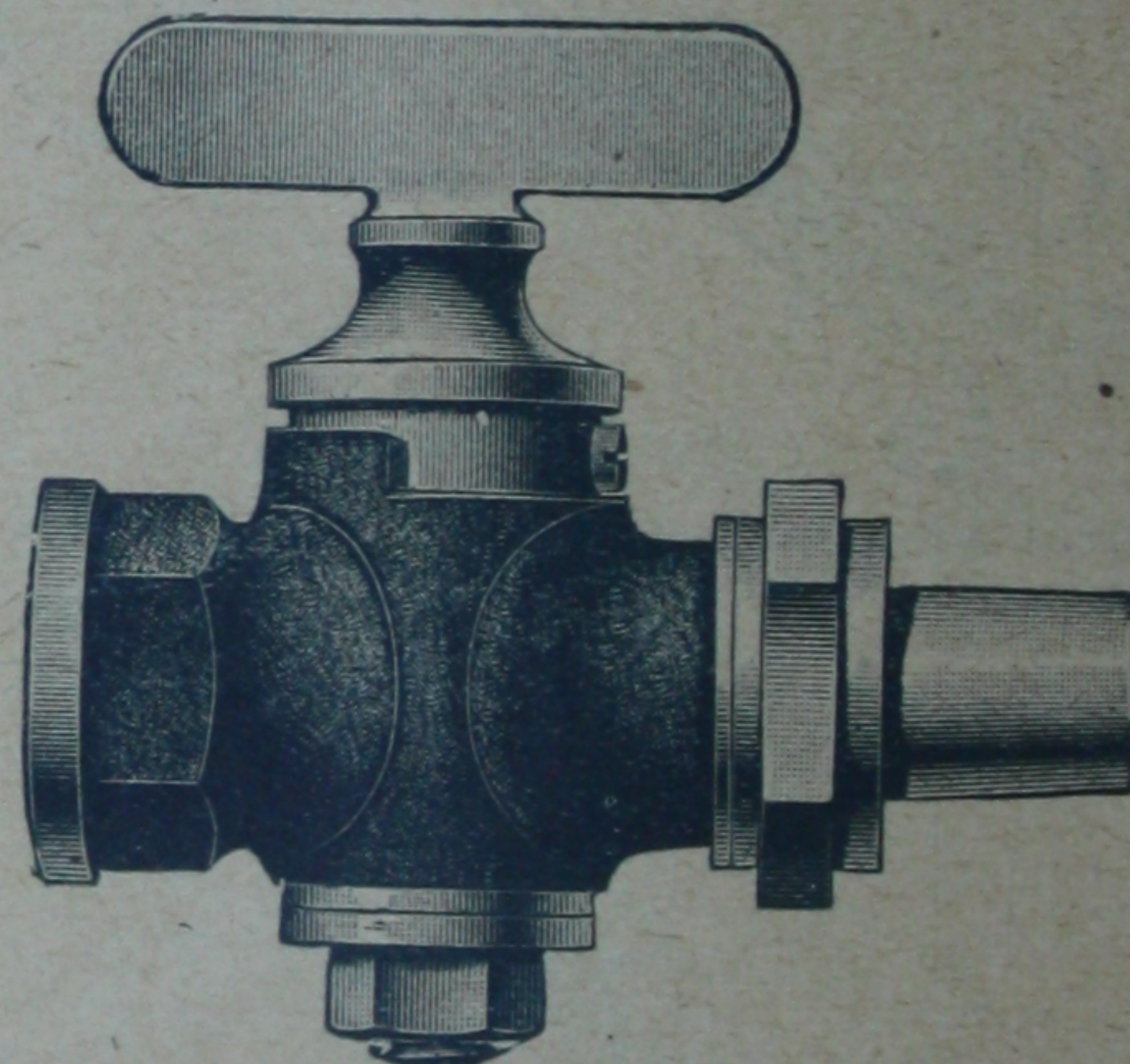
No. W5164.
Cap and Lining for Iron.
 $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 1-in.
2/- 2/9 4/6 6/- 10/- per doz.



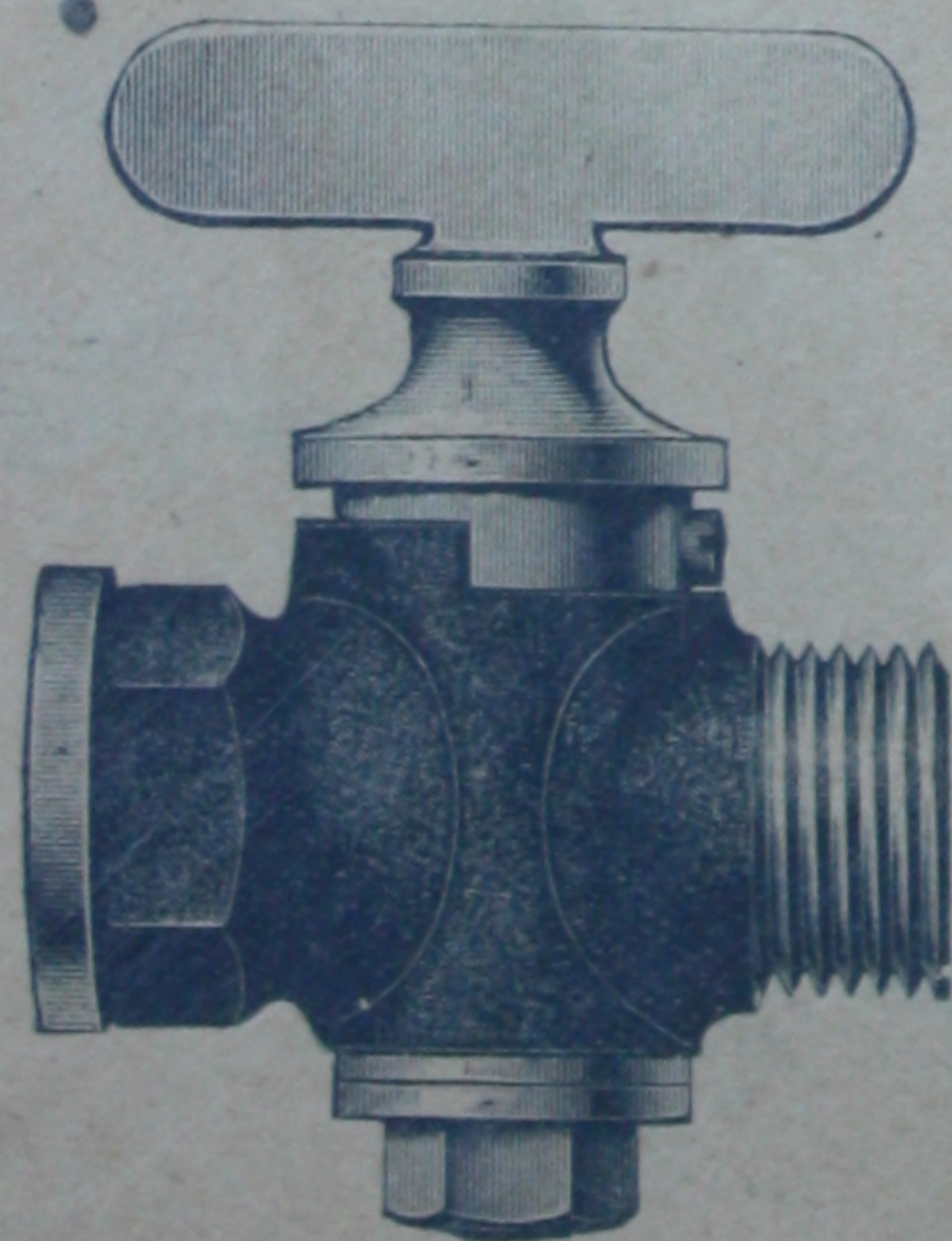
No. W3535.
Main Cock. Male and Female. For Iron.
 $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 1-in.
11/6 15/6 22/6 33/- 53/- per doz.
 $1\frac{1}{4}$ $1\frac{1}{2}$ -in.
110/- 155/- per doz.



No. W5106.
Gas Main Cock, full way. With Union for lead pipe. Strong.
 $\frac{1}{2}$ $\frac{3}{4}$ 1-in.
28/- 39/6 65/- per doz



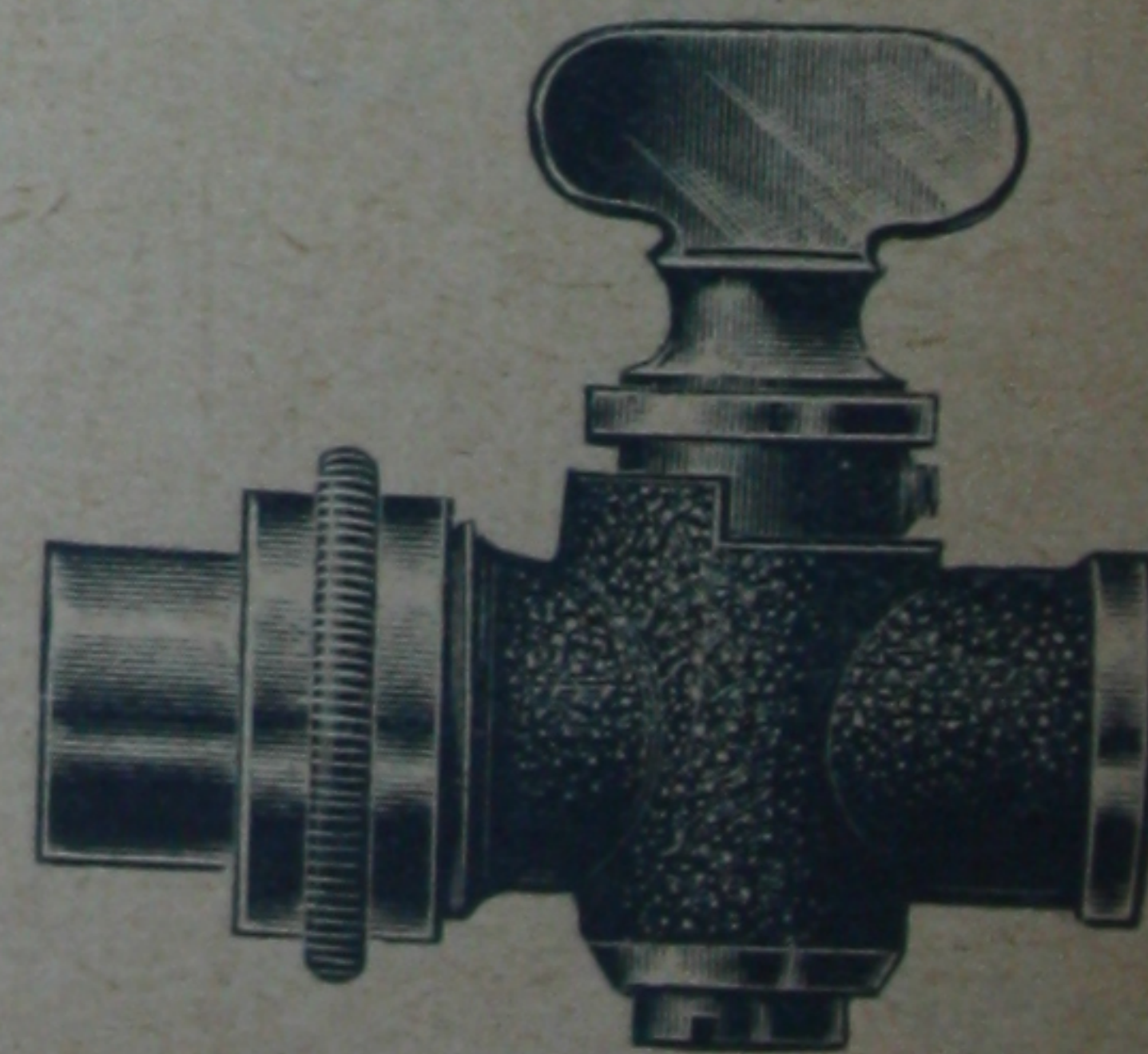
No. W5108.
Gas Main Cock, full way. With Union for lead pipe. Strong.
 $\frac{1}{2}$ $\frac{3}{4}$ 1-in.
25/6 37/- 63/- per doz.



No. W5161.
Gas Main Cock, full way. Male and Female, for Iron Pipe.
 $\frac{1}{8}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 1-in.
11/6 16/6 21/6 31/- 54/6 per doz.
Extra Strong.
— 18/6 25/- 36/- 60/- „



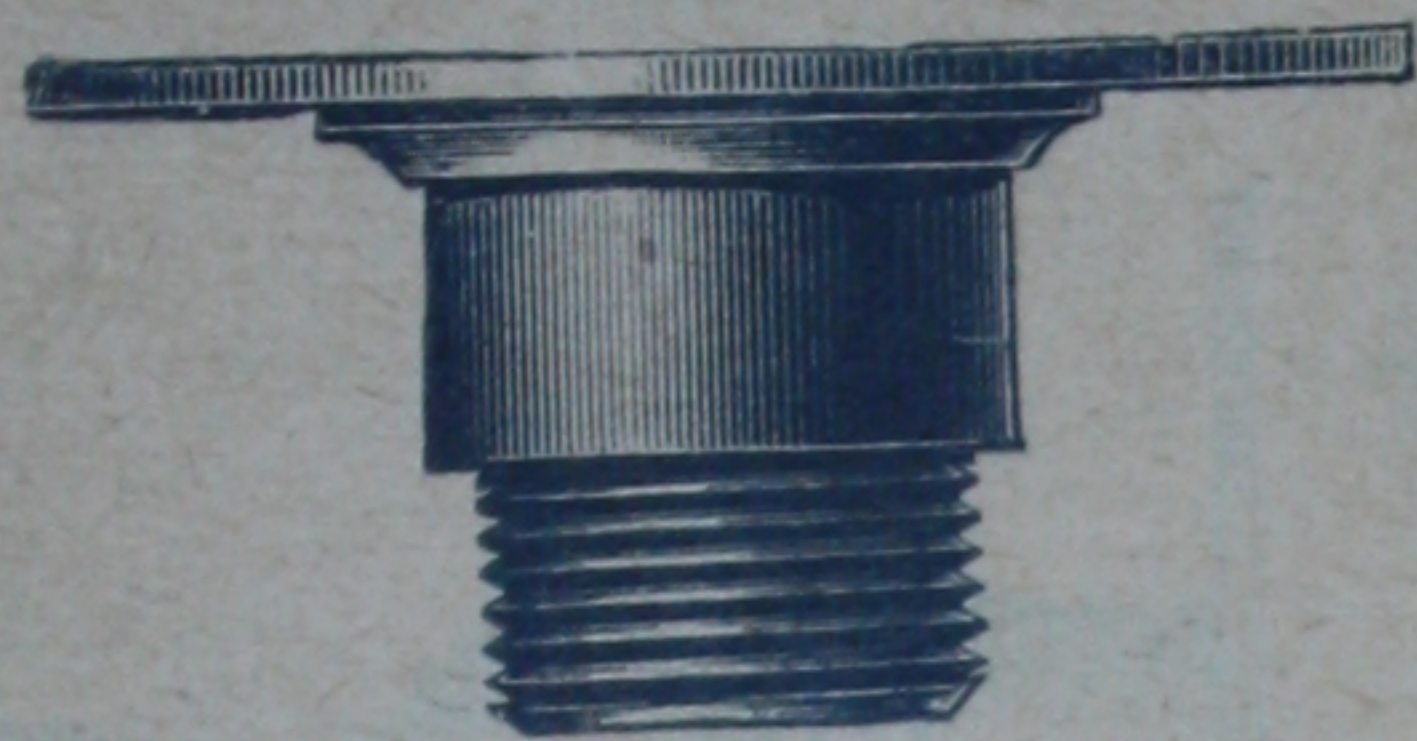
No. W5177.
Iron Key for Main Cocks.
 $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ -in.
2/- 2/6 3/- 4/6 6/- 7/6 per doz.



No. W3537.
Union Stove Cock, full way. Strong. For Iron.
 $\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ -in.
13/- 16/6 22/- 38/- per doz.

WELSBACH LIGHT

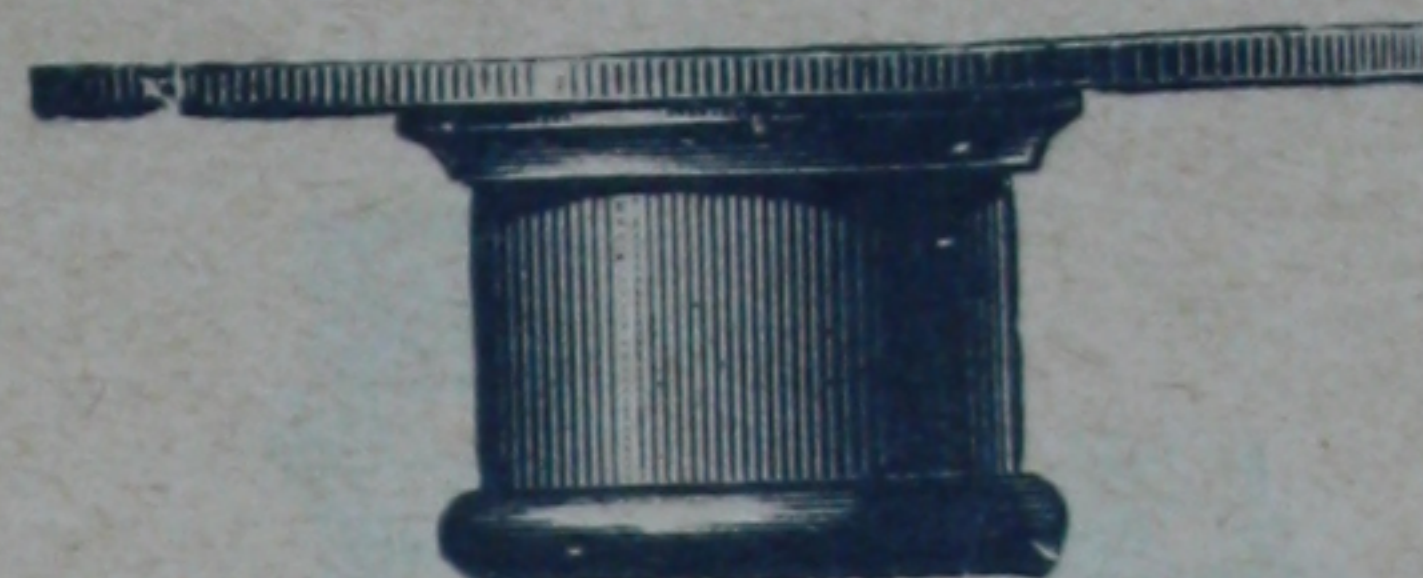
Gas Fittings and Connections.



No. W5101.

Ceiling Plate for Iron, Male.

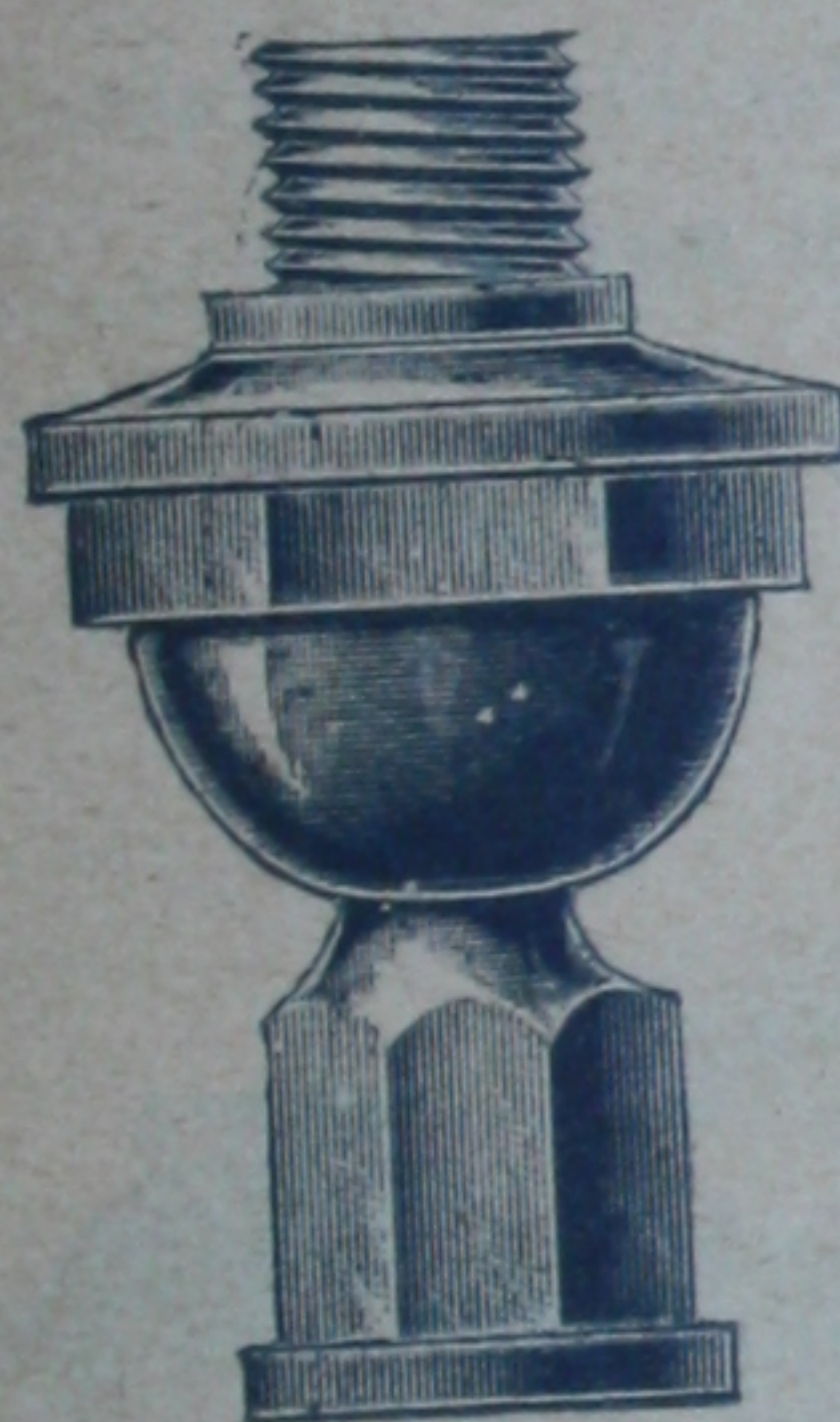
$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$ -in.
4/-	5/6	7/3	9/2	16/- per doz.



No. W5102.

Ceiling Plate for Iron, Female.
Heavy Pattern.

$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$ -in.
3/6	4/9	6/9	8/9	14/- per doz.



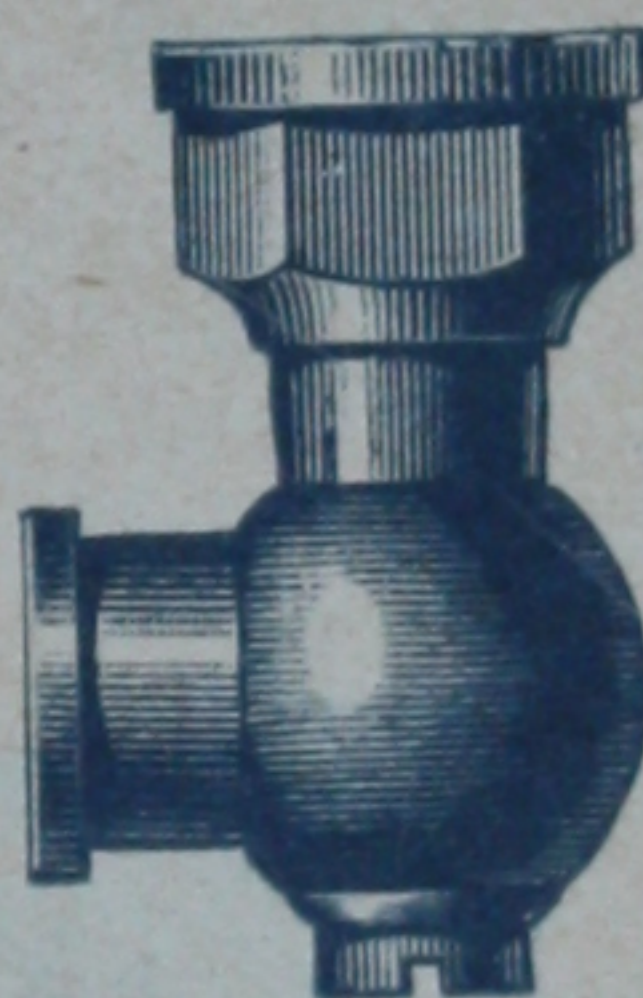
No. W5154.

Male and Female, for Iron.

$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$ -in.
15/-	18/-	22/8	33/9 per doz.

Extra Strong.

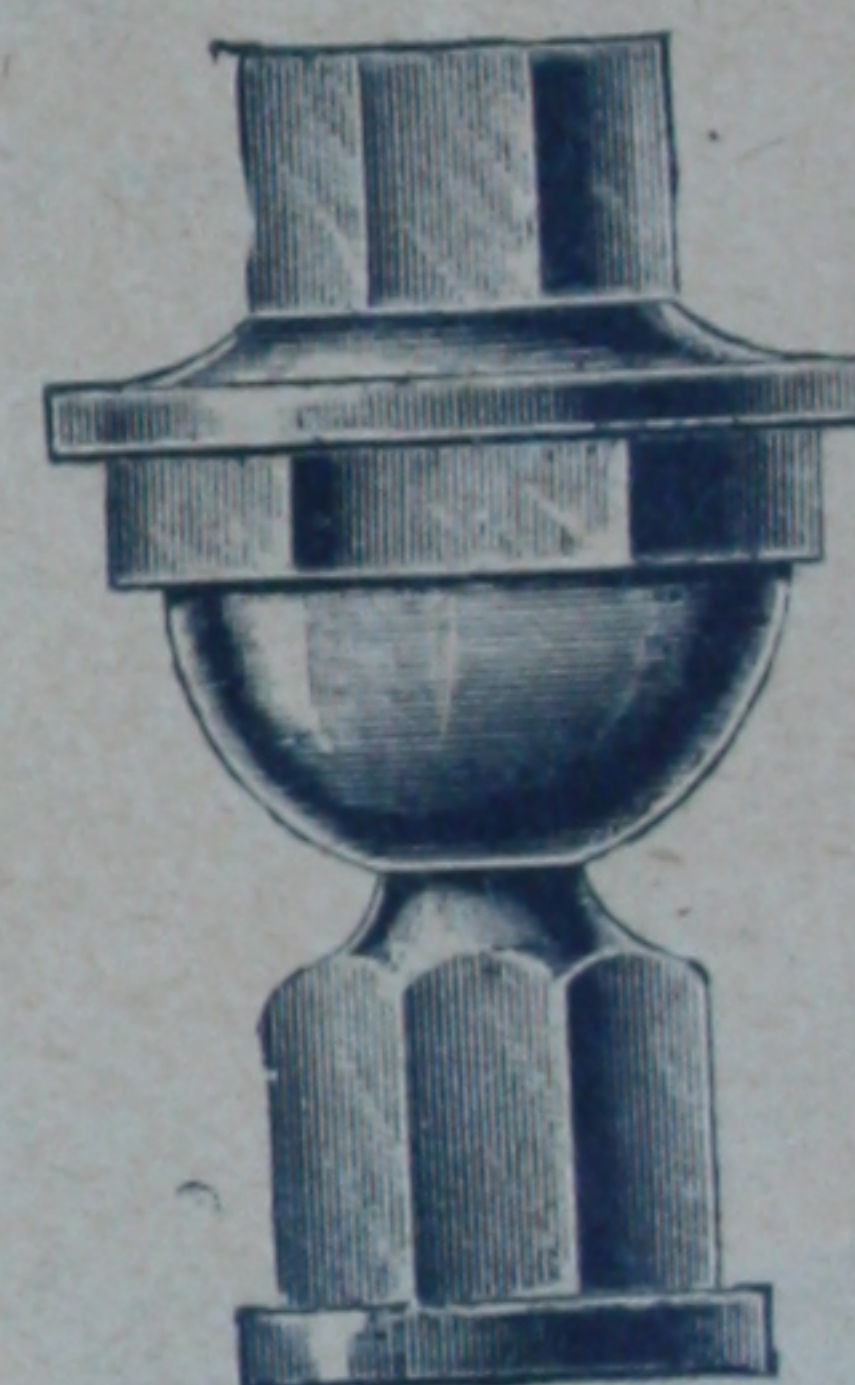
22/3	27/-	32/6	42/- per doz.
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No. W5156.

Single Swivel, for Iron.

$\frac{1}{4} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{3}{8}$ -in.
8/-	11/-	14/- per doz.



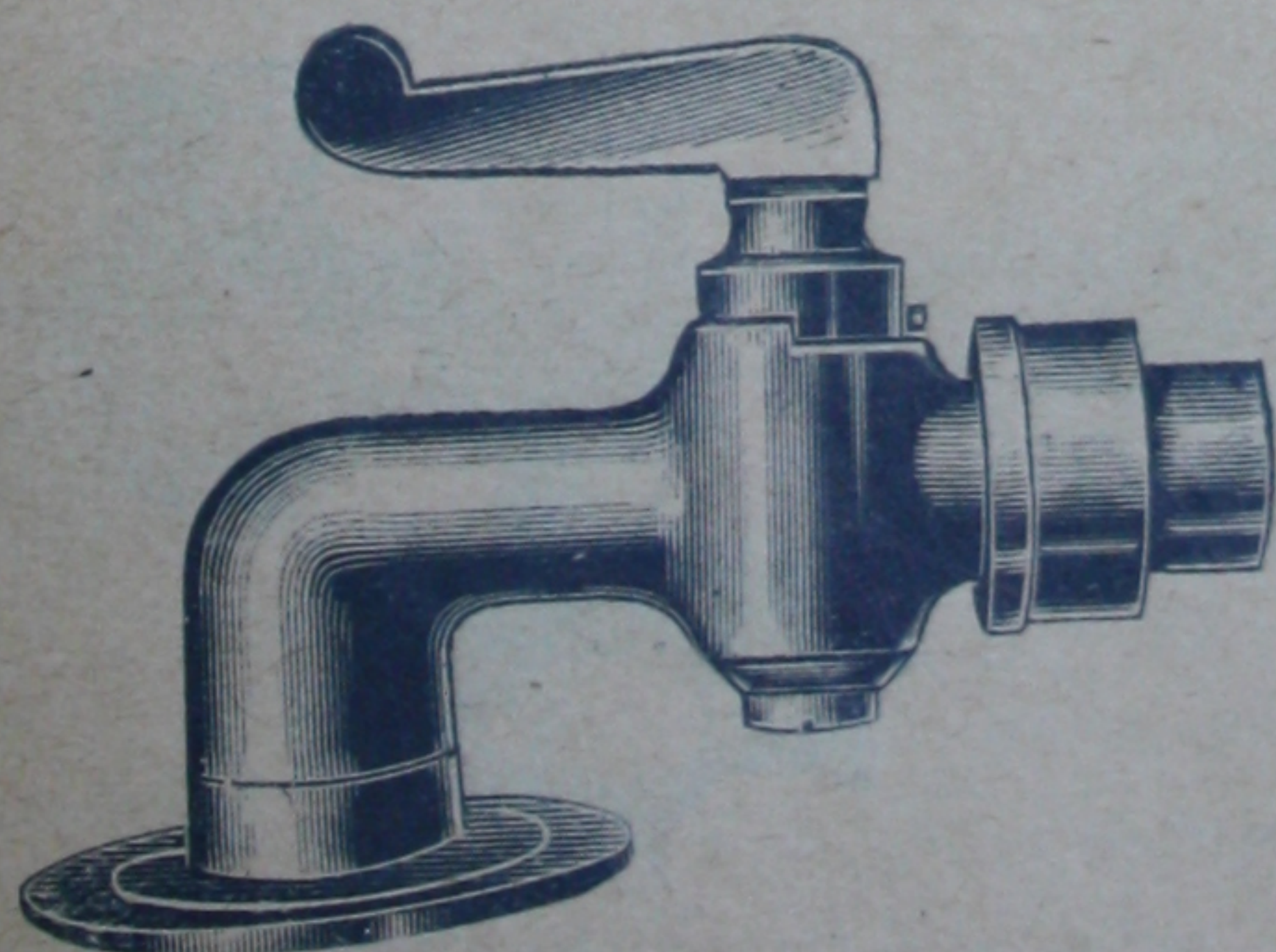
No. W5153.

Female Ball Joint, for Iron.

$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$ -in.
16/-	21/-	24/-	33/- per doz.

Extra Strong.

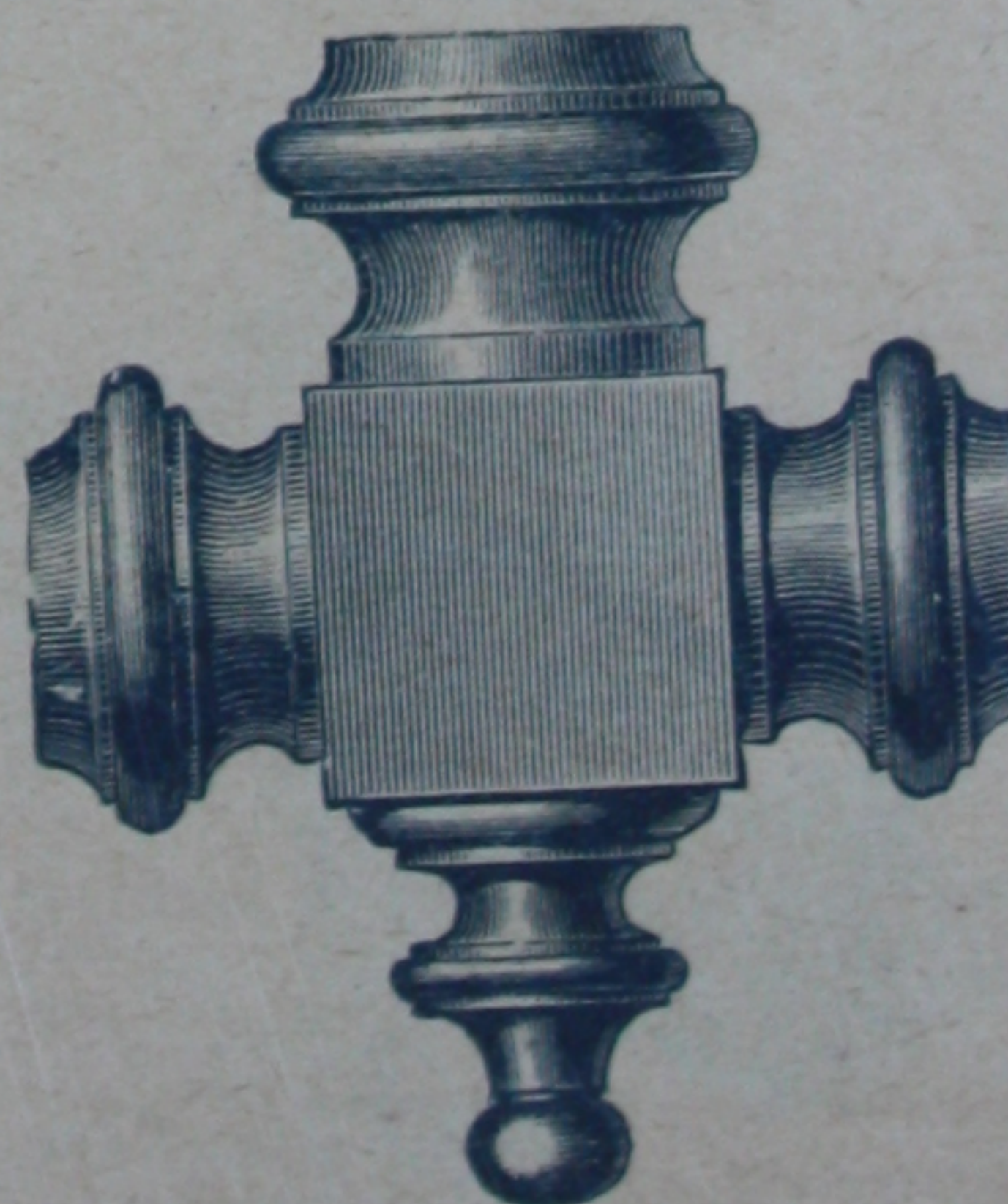
23/3	27/-	33/-	42/- per doz.
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No. W3538.

Fullway Union Cock, with Bend and Plate.

$\frac{1}{4}$ -in.	...	36/- per doz.
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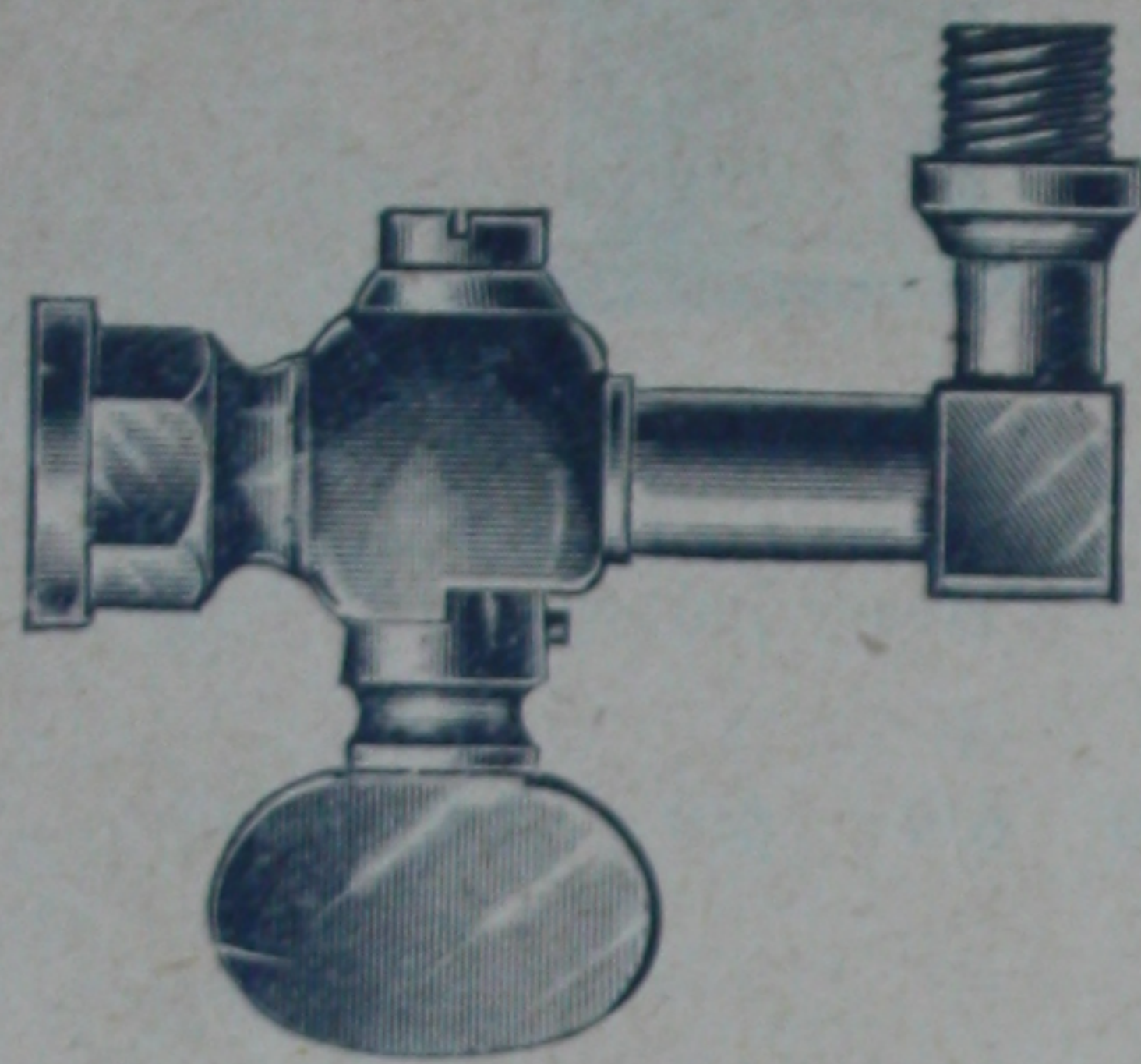
No. W5000.

2-Light Pendant Body.
For Iron.

$\frac{1}{2} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{1}{2}$	$1 \times \frac{1}{4}$ -in.
21/-	30/-	43/- per doz.

WELSBACH LIGHT

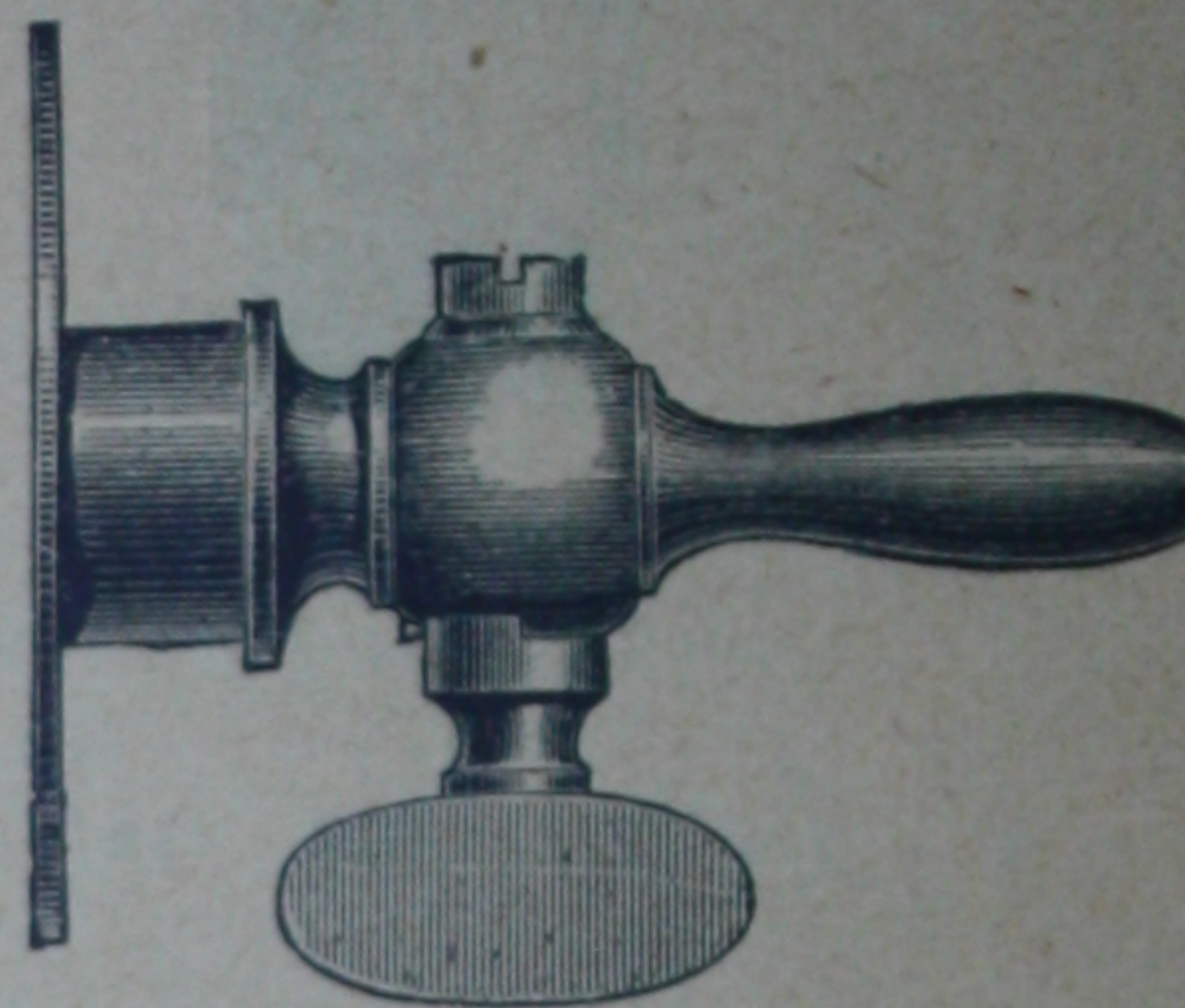
Gas Fittings and Connections.



No. W5155.

Elbow Cock, for Iron.

$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$ -in.
10/6	11/6	13/-	15/- per doz.

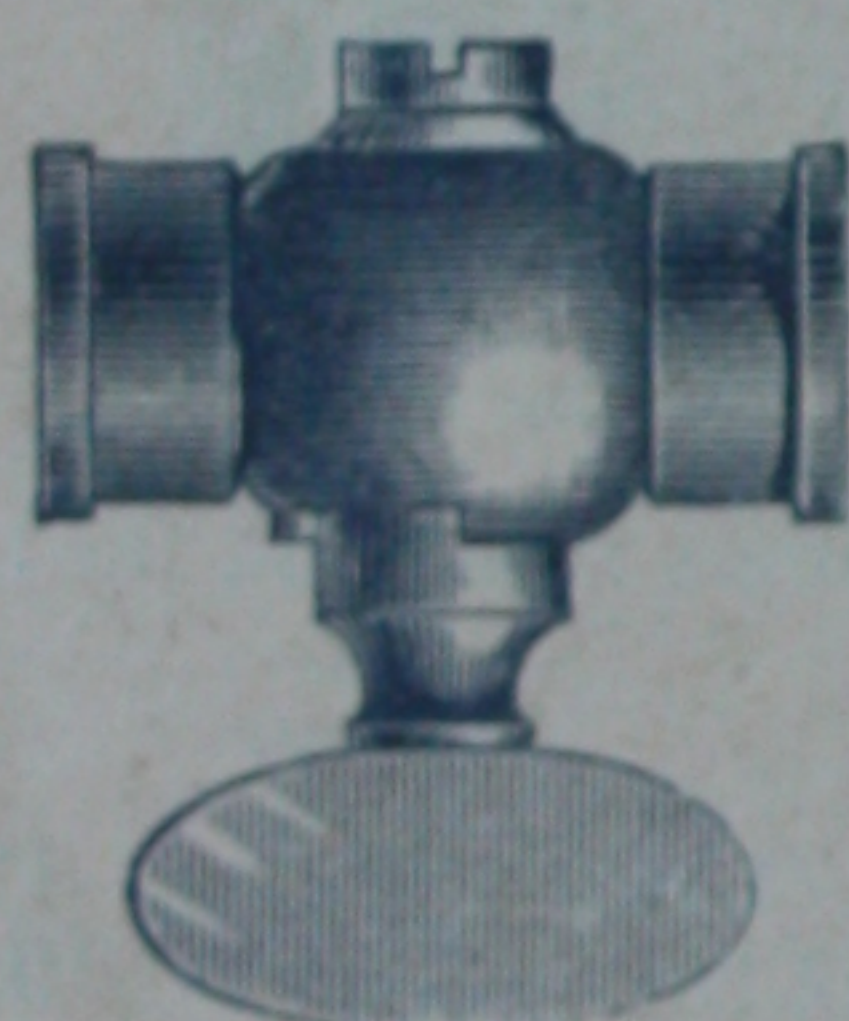


No. W5104.

Brass Bracket Back, for Flexible Tube.

Special full way.

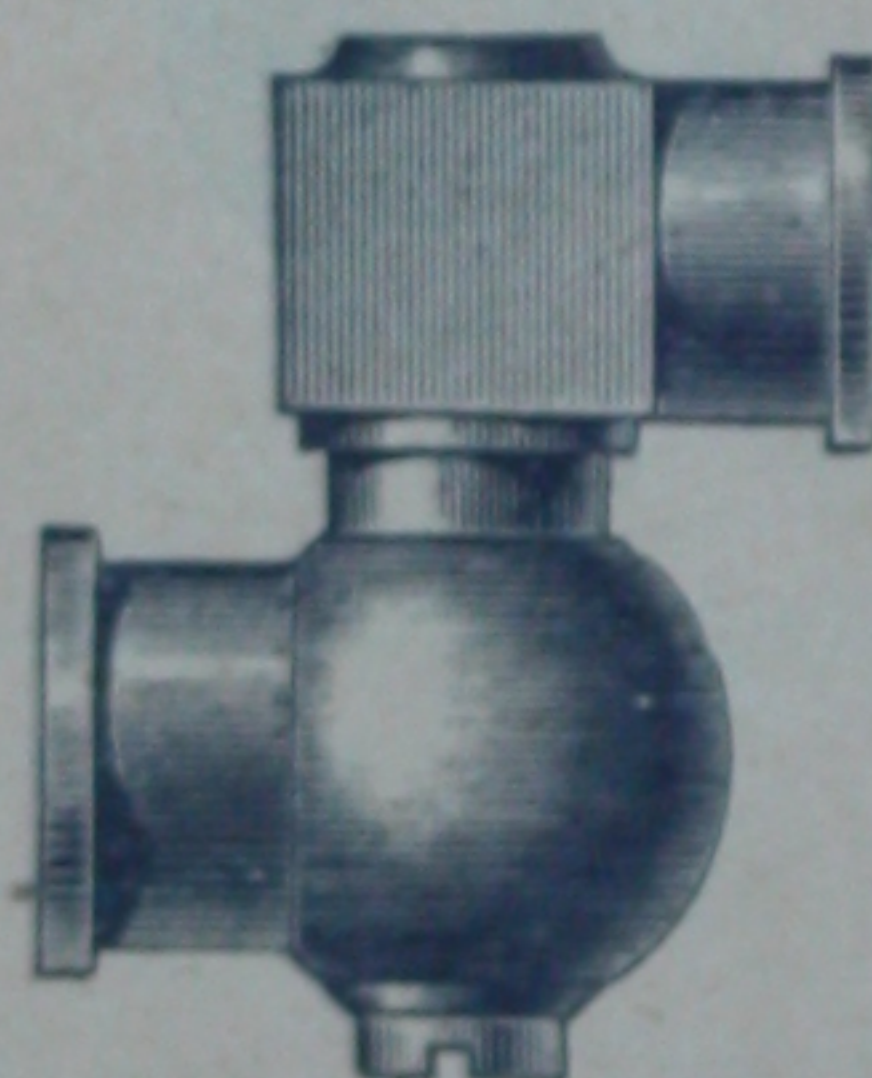
Brass	$\frac{3}{8}$	$\frac{1}{2}$ in.
	15/6	17/3 per doz.



No. W5159.

Stop Cock.

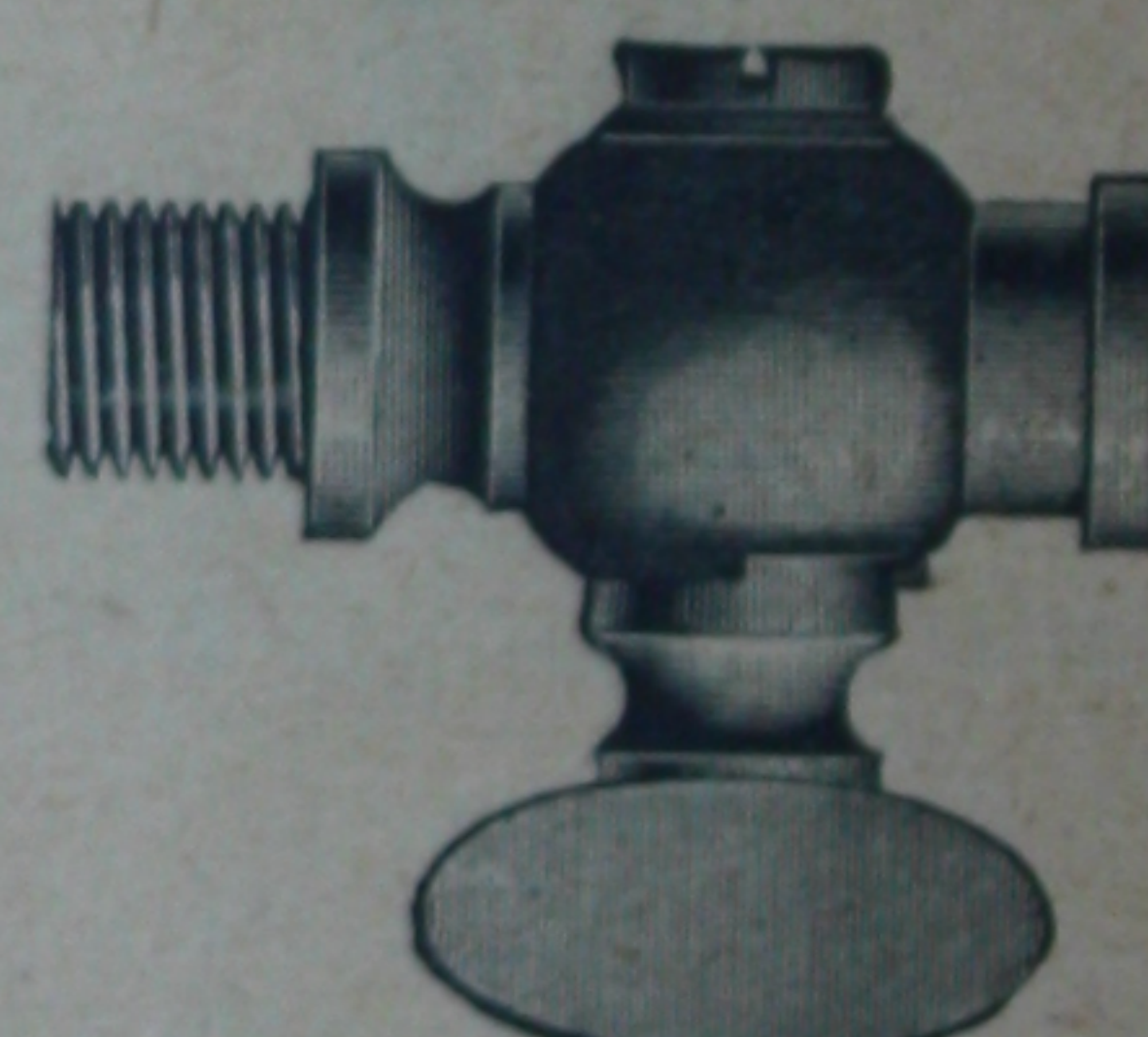
For Brass	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$ -in.
For Iron	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$ -in.
	7/6	9/6	12/- per doz.



No. W5157.

Double Swivel, for Iron.

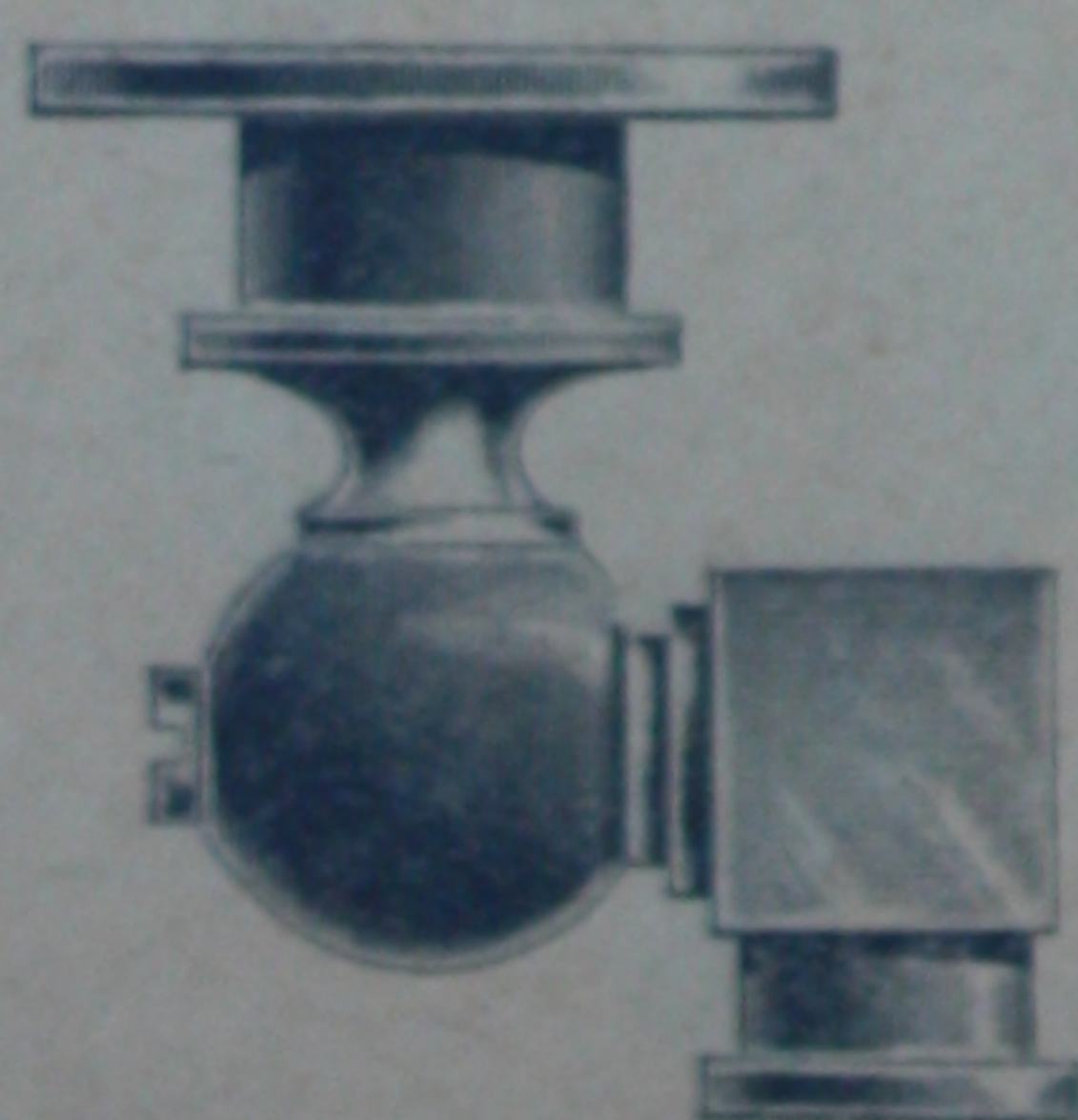
$\frac{1}{2} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{1}{2}$	$\frac{1}{2} \times \frac{3}{4}$ -in.
11/-	14/-	21/- per doz.



No. W5160.

Nose or Pillar Cock, for Iron.

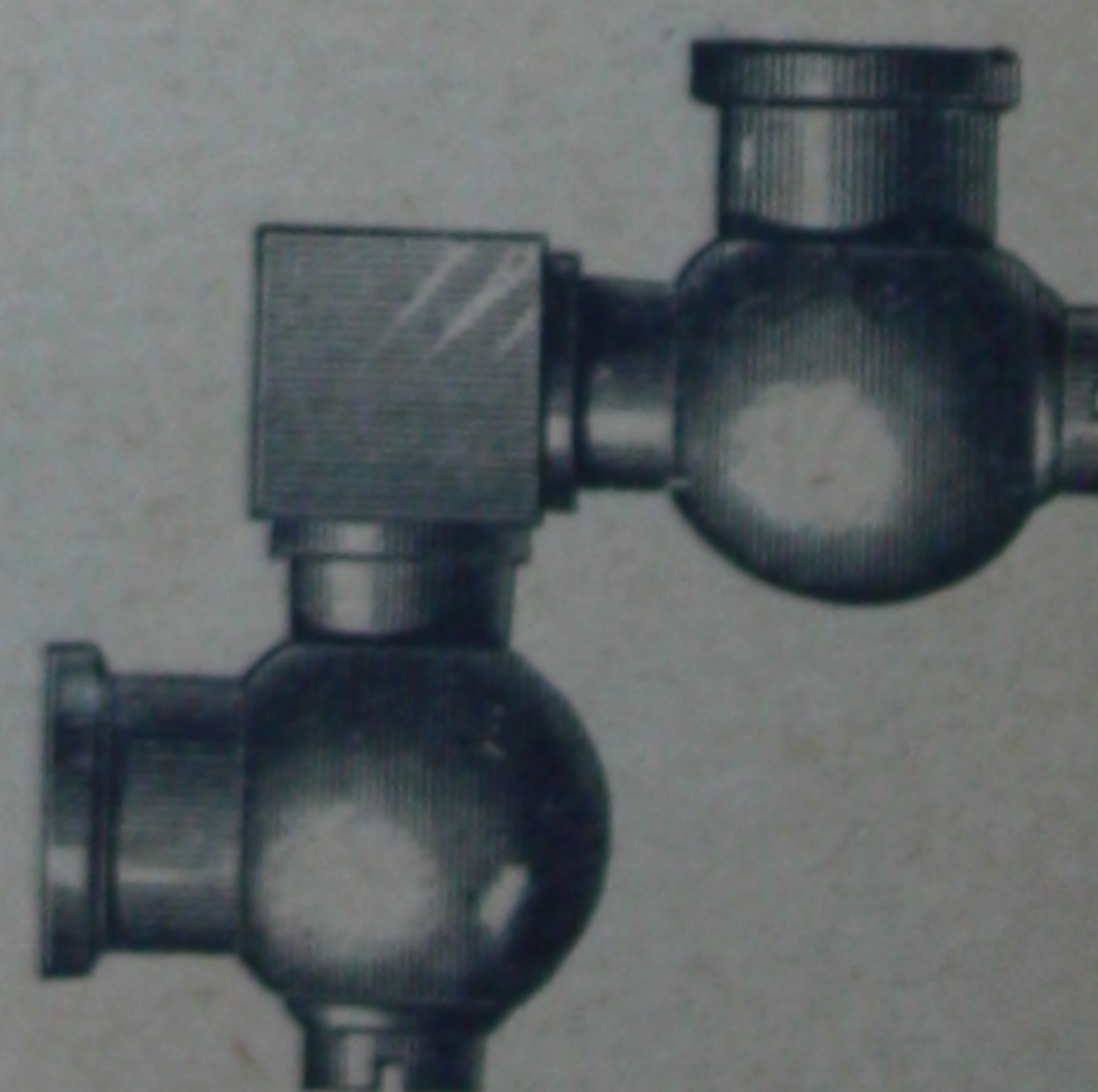
$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$ -in.
8/3	10/-	11/6	14/- per doz.



No. W5151.

Pendant Top, for Iron.

$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$ -in.
16/6	22/-	29/6 per doz.



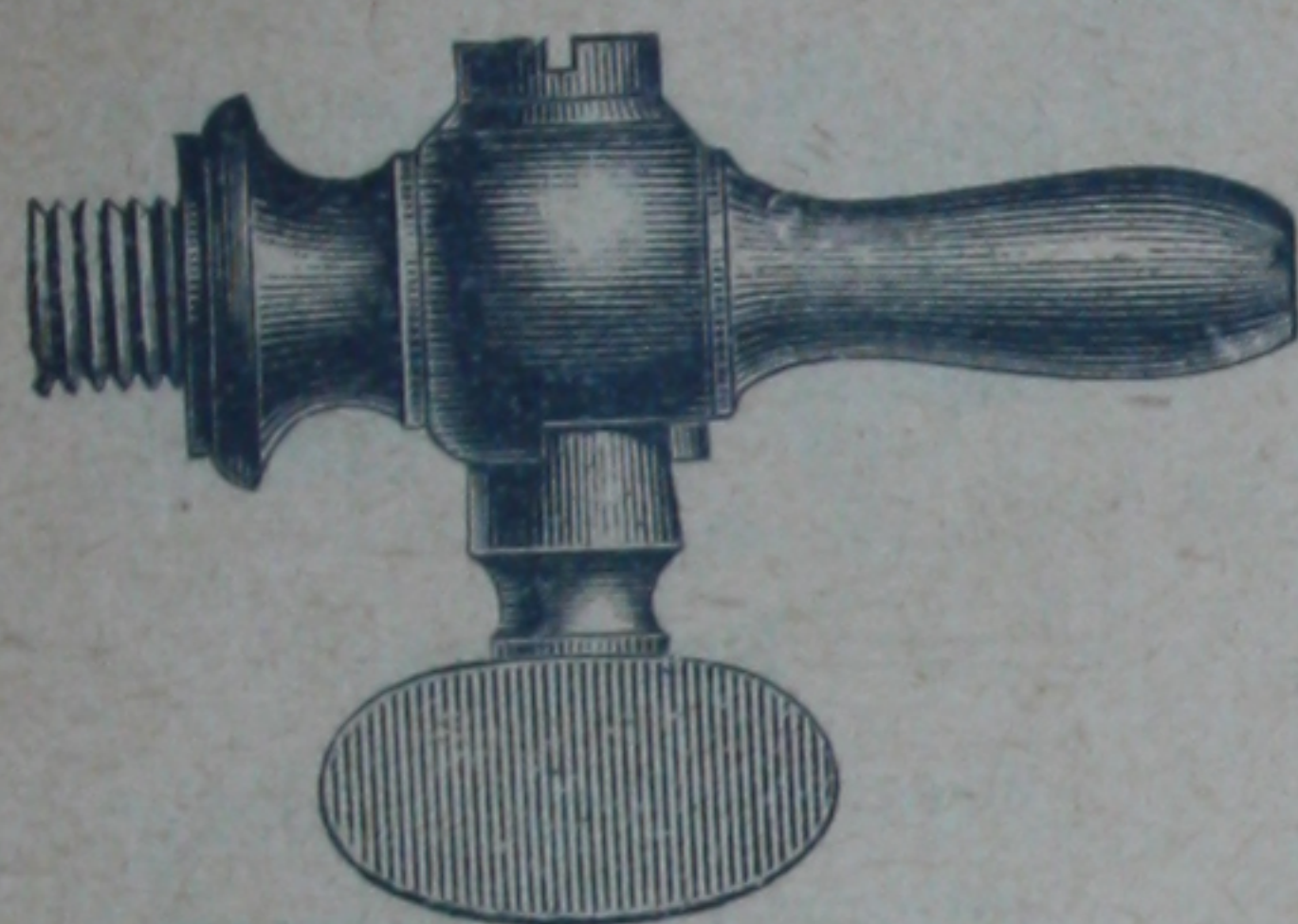
No. W5152.

Universal Swivel, for Iron.

$\frac{1}{2} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{1}{2}$	$\frac{1}{2} \times \frac{3}{4}$ -in.
16/6	20/-	28/6 per doz.

WELSBACH LIGHT

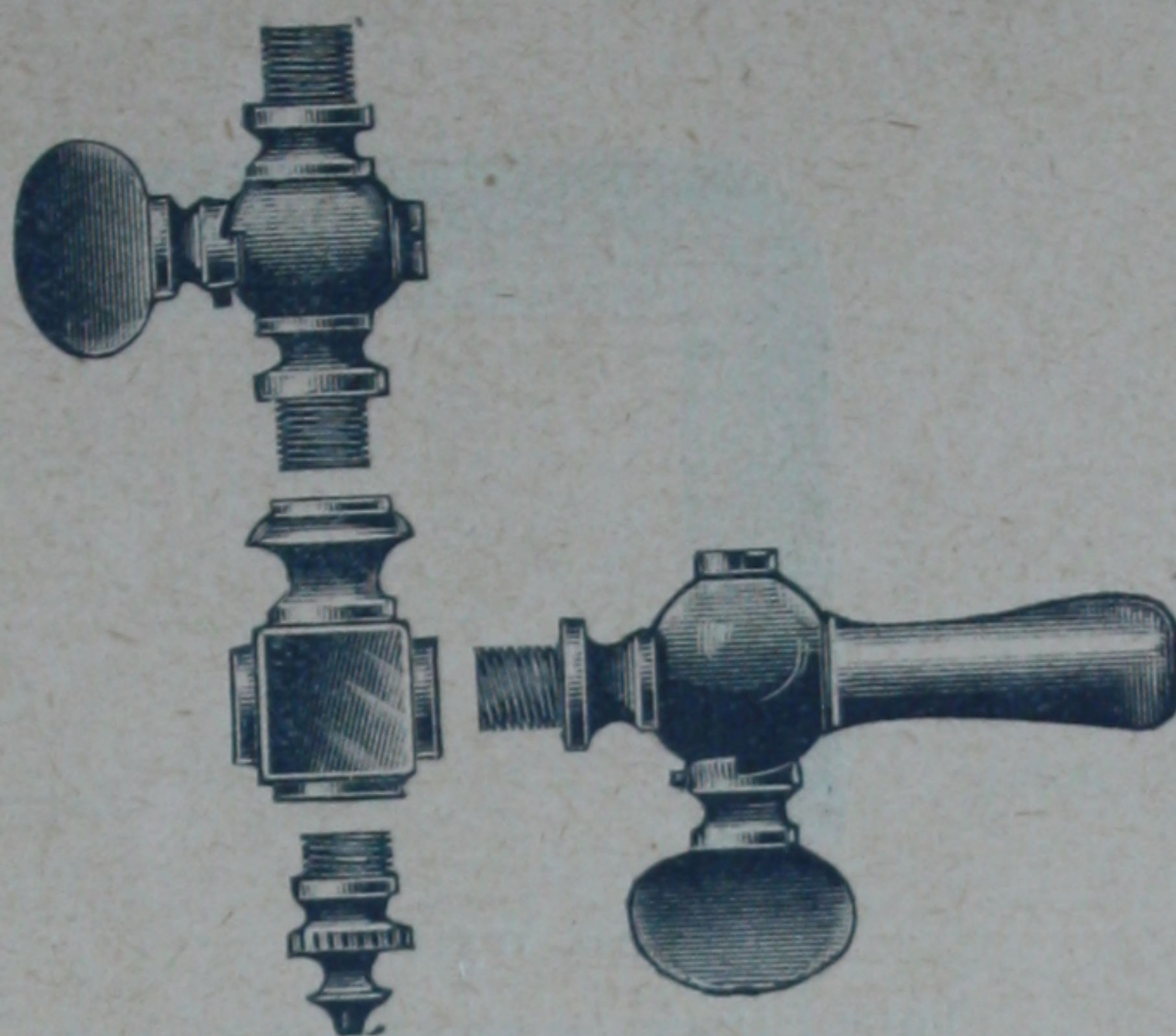
Gas Fittings and Connections.



No. W5103.

Cock for Flexible Tube.

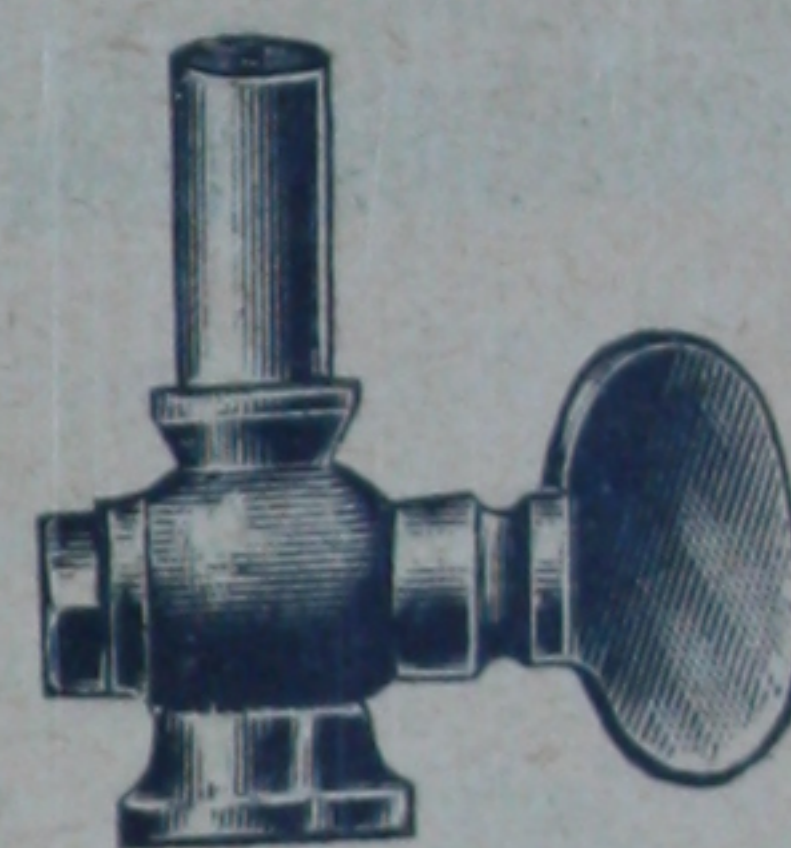
$\frac{1}{8}$ -in. Iron Male	...	8/3	per doz.
$\frac{1}{4}$ -in. " "	...	9/3	"



No. W3541.

Reversible Flexible Tube Cock. Strong.

For Brass.	$\frac{3}{8}$ -in.
19/6	per doz.



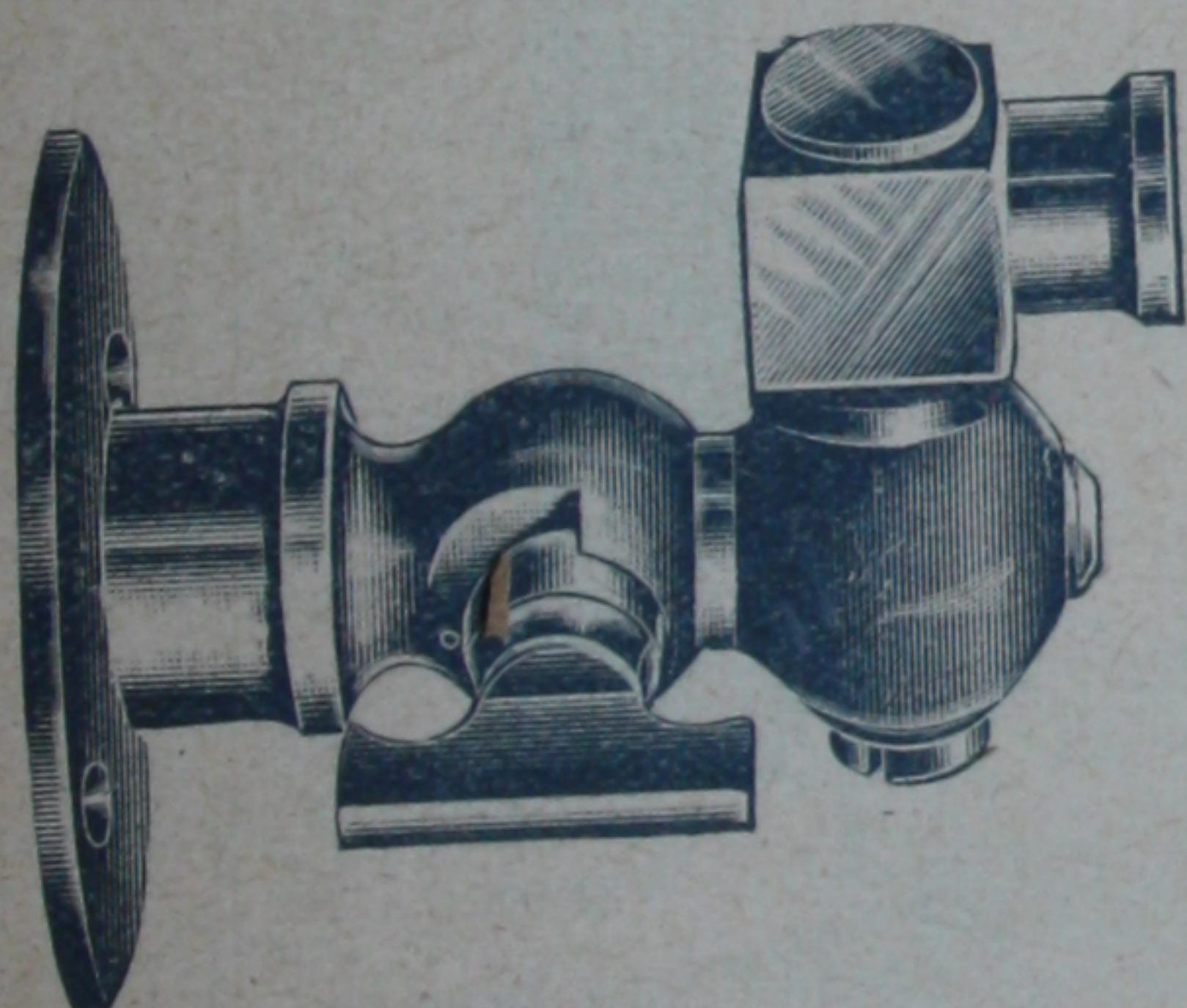
No. W3542.

Cigar Cock.

$\frac{1}{4}$ -in. Brass only.

6/- per doz.

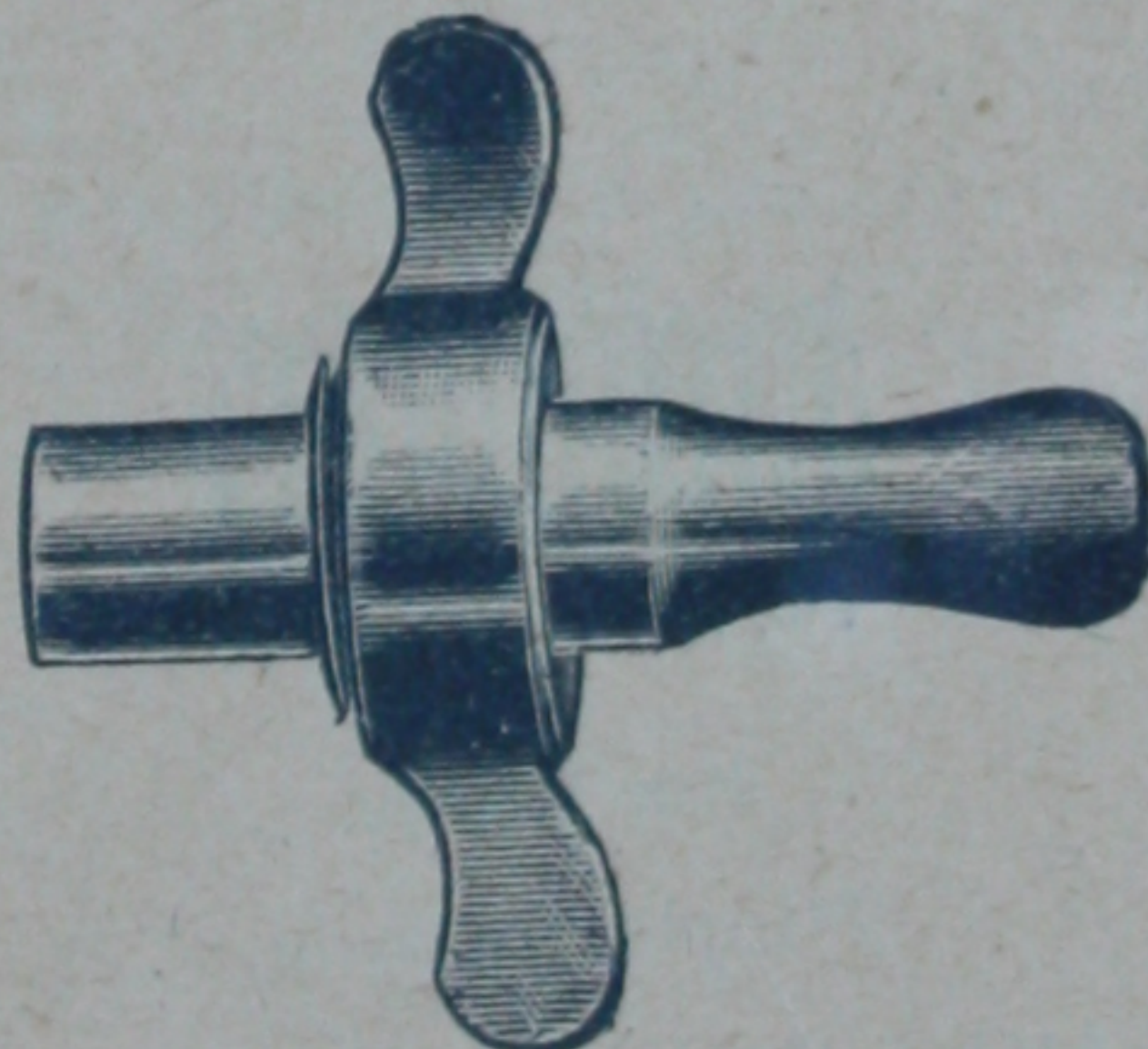
With Back Plate, 10/- per doz.



No. W3540.

Bracket Back for Iron.

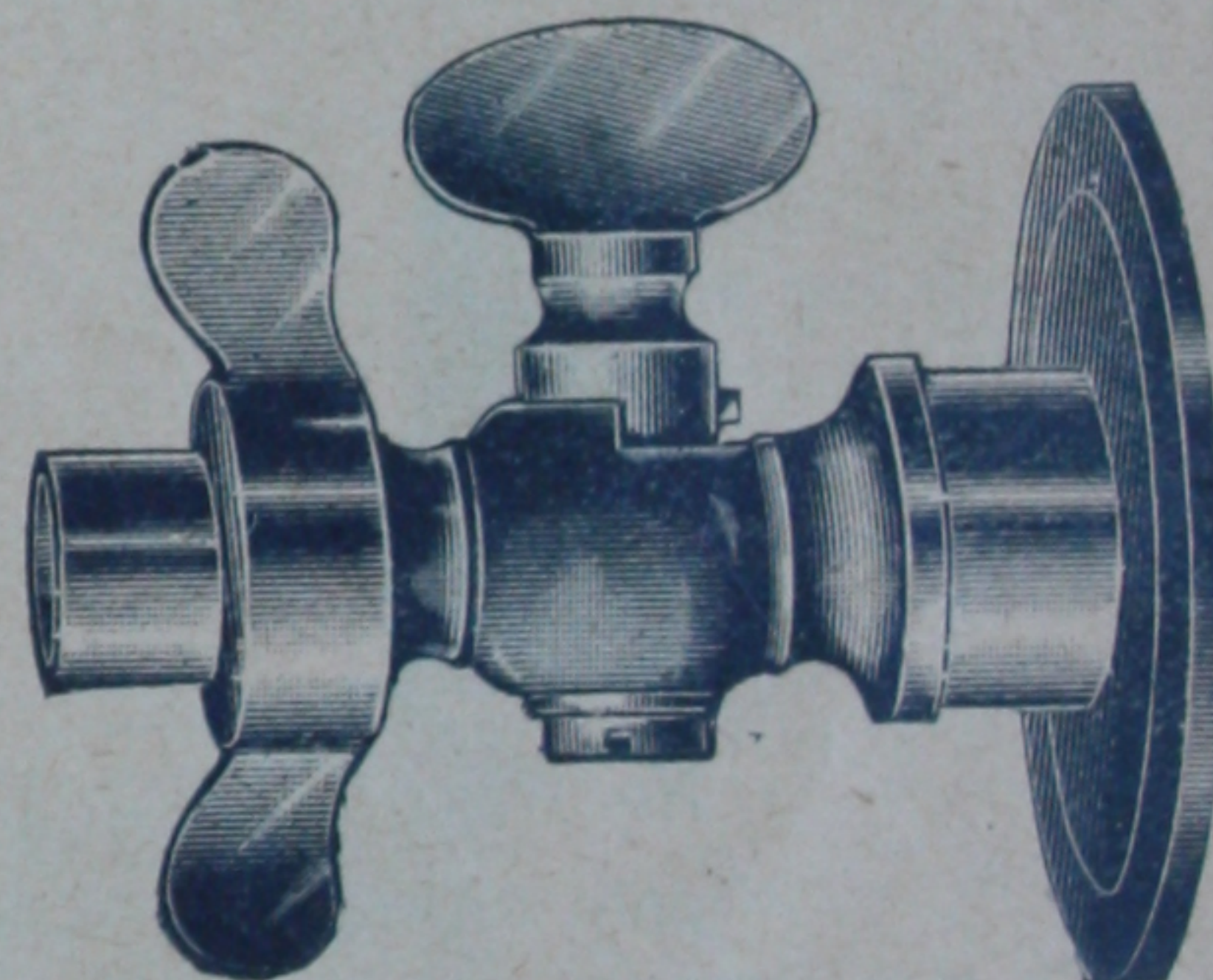
$\frac{1}{8}$ -in.	$\frac{1}{4}$ -in.	$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.
17/6	21/6	26/3	36/- per doz.



No. W3543.

Wing Union for Flexible Tube.

$\frac{3}{8}$ -in. Brass	...	6/-	per doz.
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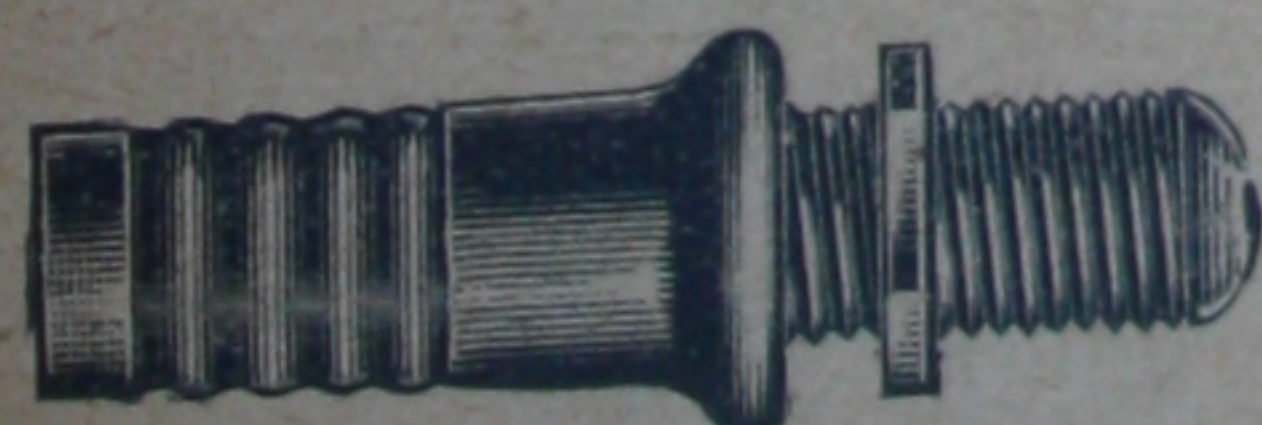
No. W3539.

Flexible Tube Back.

$\frac{3}{8}$ -in. Brass.
18/-

$\frac{1}{2}$ -in. Brass.

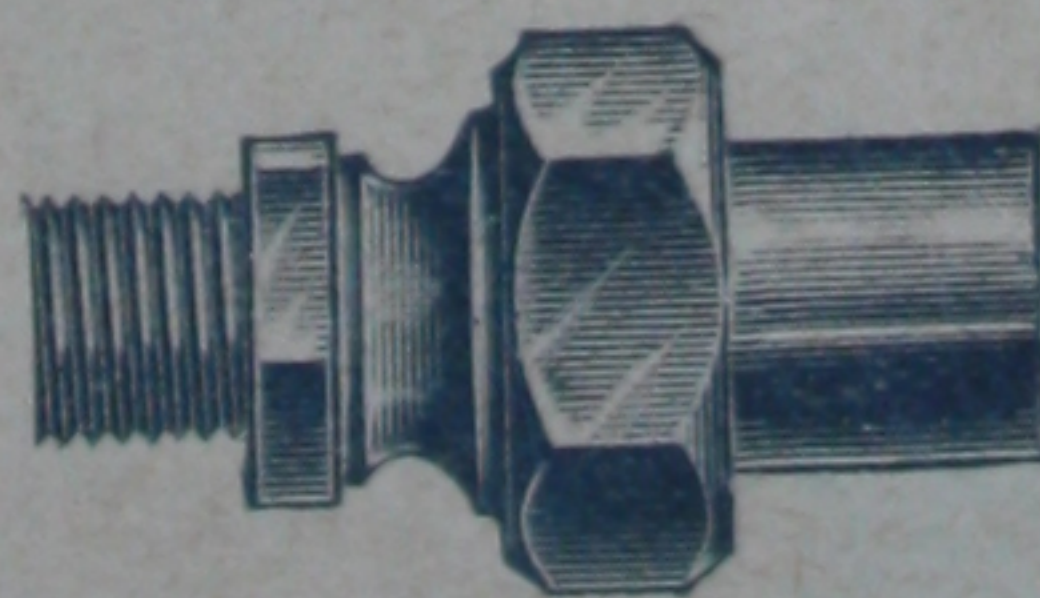
20/- per doz.



No. W3544.

Nozzle for Gas Stove.

$\frac{3}{8}$ -in. Brass.
2/6 per doz.

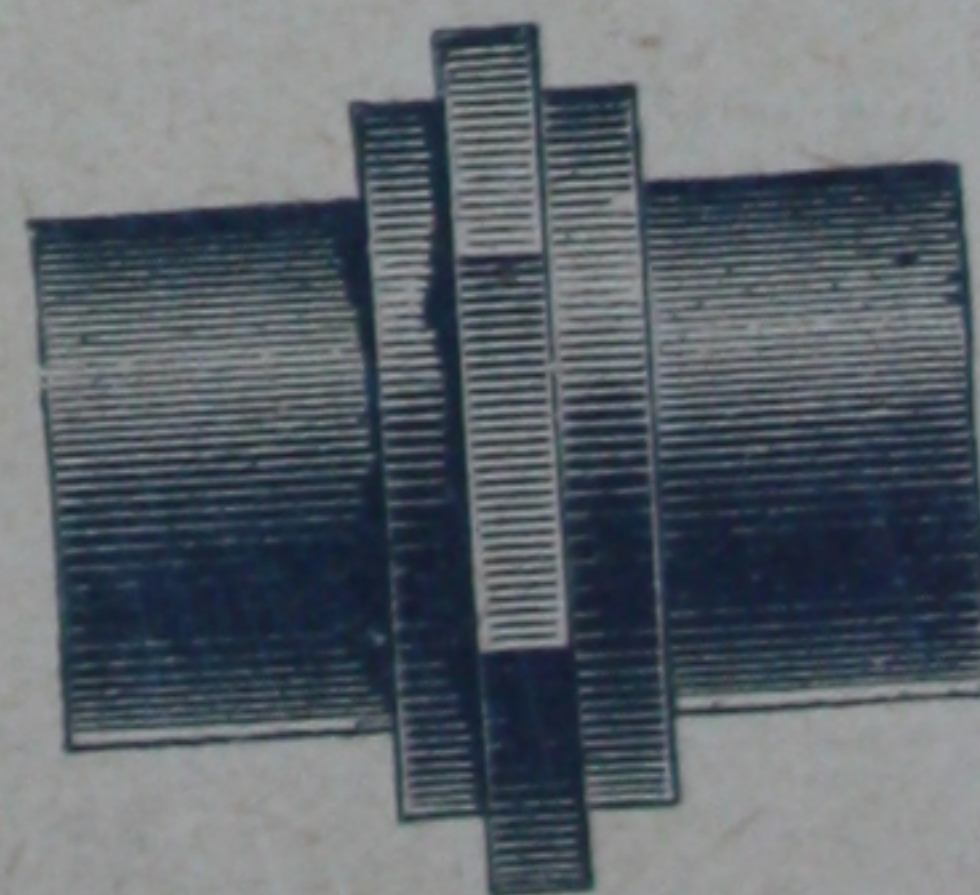


No. W5163.

Union Joint.

(Male and Female) for Iron.

$\frac{1}{8}$ -in.	$\frac{1}{4}$ -in.	$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.
4/-	6/9	9/3	13/6 per doz.



No. W5162.

Union.

For Iron both ends.

$\frac{1}{8}$ -in.	$\frac{1}{4}$ -in.	$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.
3/9	6/3	9/-	12/- per doz.

For Brass.

$\frac{1}{2}$ -in.	...	6/9	per doz.
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No. W5171.

Flexible Tube Nozzle.
Male or Female.

For Brass.

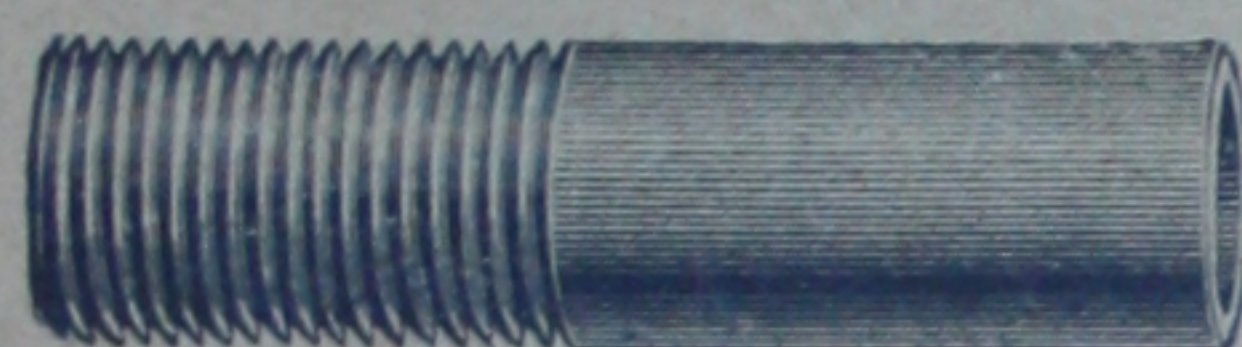
$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.
2/-	3/- per doz.

For Iron.

$\frac{1}{4}$ -in.	$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.
2/-	3/-	5/- 6/3 per doz.

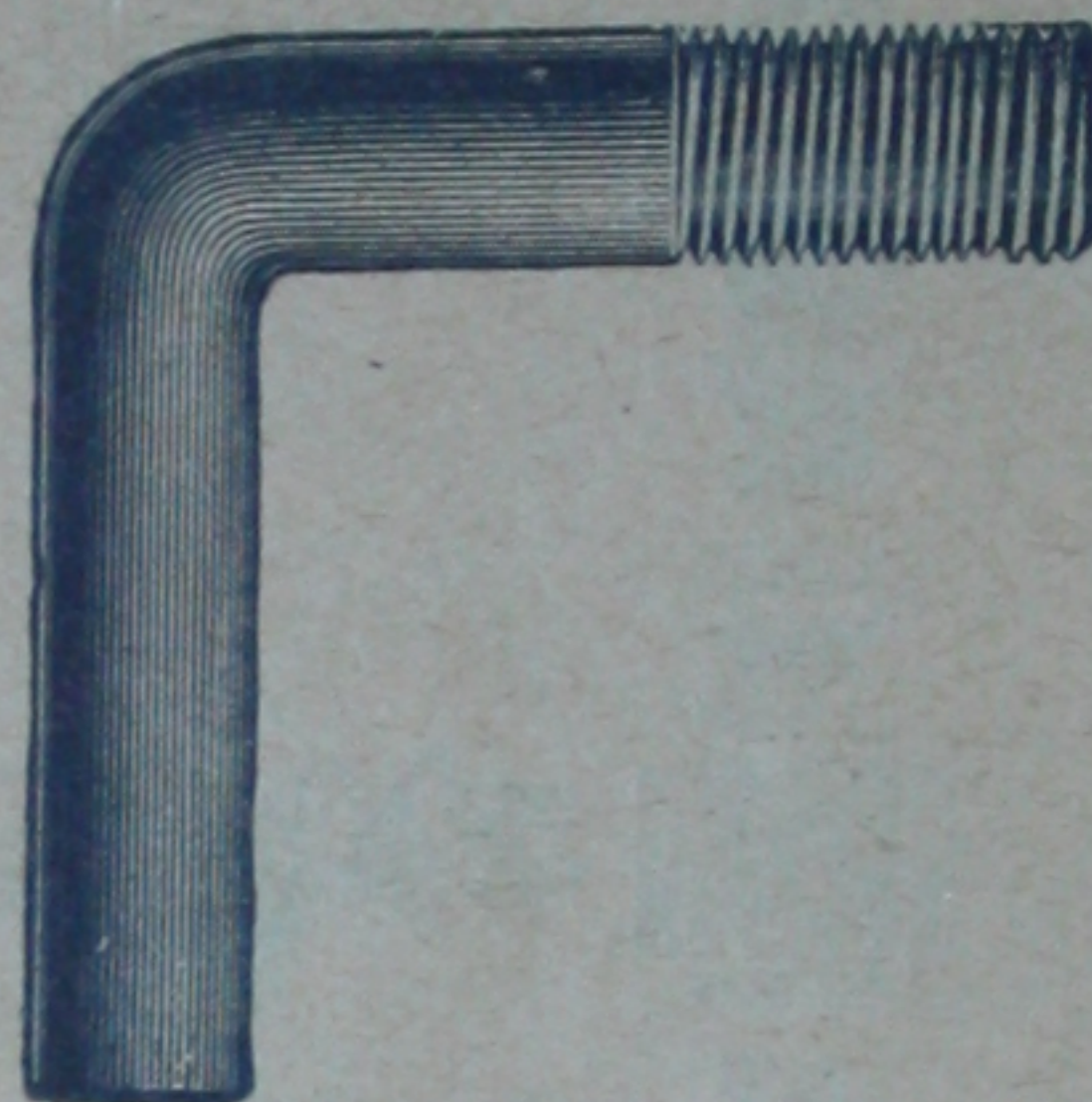


Gas Fittings and Connections.



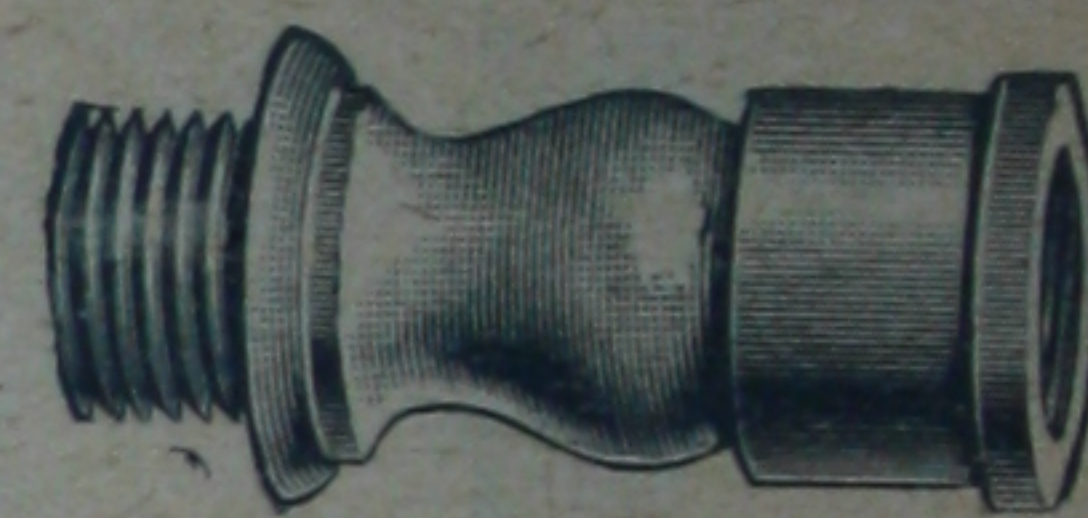
No. W5170.
Tube Connector,
Screwed and Tinned.

$\frac{3}{8}$ -in. $\times$ 1-in. long	...	9/-	per gross.
$\frac{3}{8}$ -in. $\times$ 1 $\frac{1}{2}$ -in. "	...	11/-	"
$\frac{3}{8}$ -in. $\times$ 2-in. "	...	13/6	"



No. W5175.
Tube Elbow, Screwed and Tinned.

$\frac{3}{8}$ -in. $\times$ 1 $\frac{1}{2}$ -in. $\times$ 1 $\frac{1}{2}$ -in.	...	18/6	per gross.
$\frac{3}{8}$ -in. $\times$ 2-in. $\times$ 2-in.	...	22/6	"



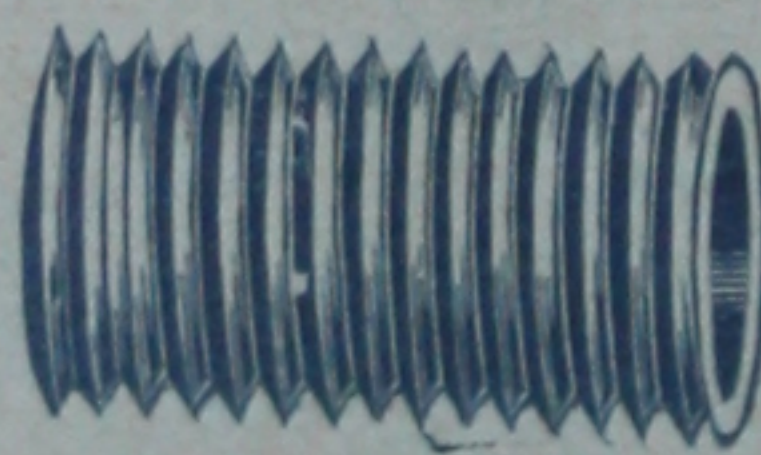
No. W5168.
Straight Burner Socket,
Polished and Lacquered.

$\frac{3}{8}$ -in Brass	...	2/6	per doz.
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No. W3545.
Nipple, for Iron.

$\frac{1}{4}$ -in. size, screwed inside for $\frac{3}{8}$ -in. Brass.			
$\frac{1}{4}$ -in. $\times$ $\frac{1}{8}$ -in. $\times$ 1-in.	1 $\frac{1}{2}$ -in.	1 $\frac{1}{2}$ -in.	2-in. long.
1/6	2/-	2/3	3/3 per doz.
$\frac{3}{8}$ -in. $\times$ $\frac{1}{8}$ -in. $\times$ 1-in.	1 $\frac{1}{2}$ -in.	1 $\frac{1}{2}$ -in.	2-in. long.
2/6	2/9	3/3	4/- per doz.
$\frac{1}{2}$ -in. $\times$ $\frac{1}{8}$ -in. $\times$ 1 $\frac{1}{4}$ -in.	1 $\frac{1}{2}$ -in.		2-in. long.
3/9	4/-		5/9 per doz.



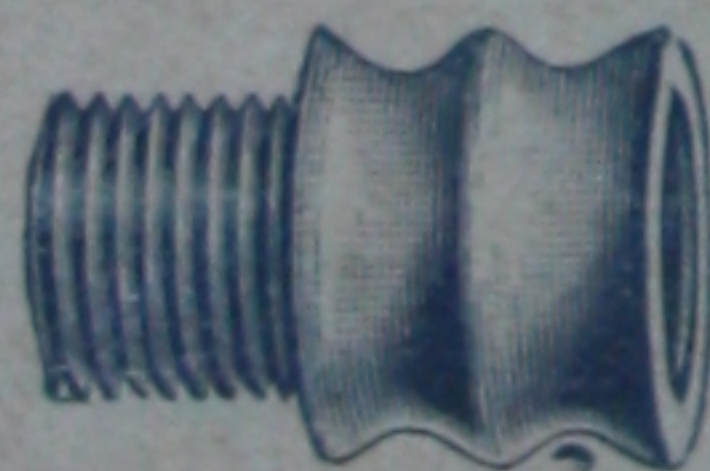
No. W5172.
Nipple, for Iron.

$\frac{1}{8} \times \frac{1}{2}$	$\frac{1}{4} \times \frac{3}{8}$	$\frac{3}{8} \times \frac{1}{2}$	$\frac{1}{2} \times \frac{3}{4}$	$\frac{1}{2} \times 1$ -in. long.
10/-	20/-	27/-	41/-	51/- per gross.



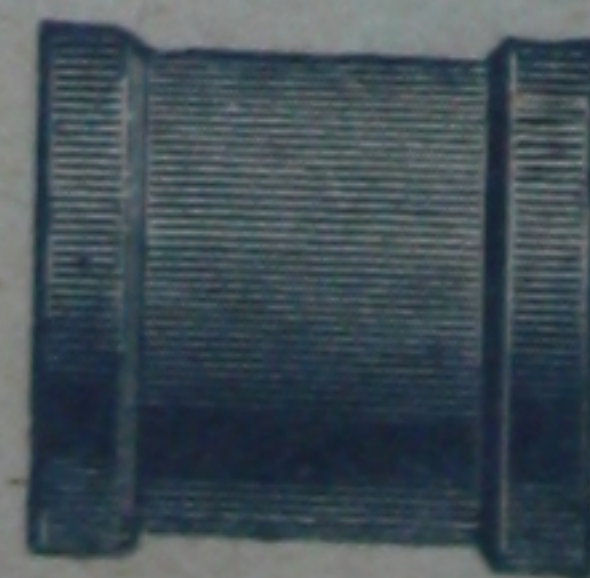
No. W3546.
Nipple, for Iron.

$\frac{1}{4}$ -in. $\times$ $\frac{1}{8}$ -in. $\times$ 1 $\frac{1}{4}$ -in.	1 $\frac{1}{2}$ -in.	2-in. long.
2/4	2/6	3/3 per doz.
$\frac{3}{8}$ -in. $\times$ $\frac{1}{8}$ -in. $\times$ 1 $\frac{1}{4}$ -in.	1 $\frac{1}{2}$ -in.	2-in. long.
3/3	3/6	4/6 per doz.
$\frac{1}{2}$ -in. $\times$ $\frac{1}{8}$ -in. $\times$ 1 $\frac{1}{4}$ -in.	1 $\frac{1}{2}$ -in.	2-in. long.
3/9	4/-	5/6 per doz.



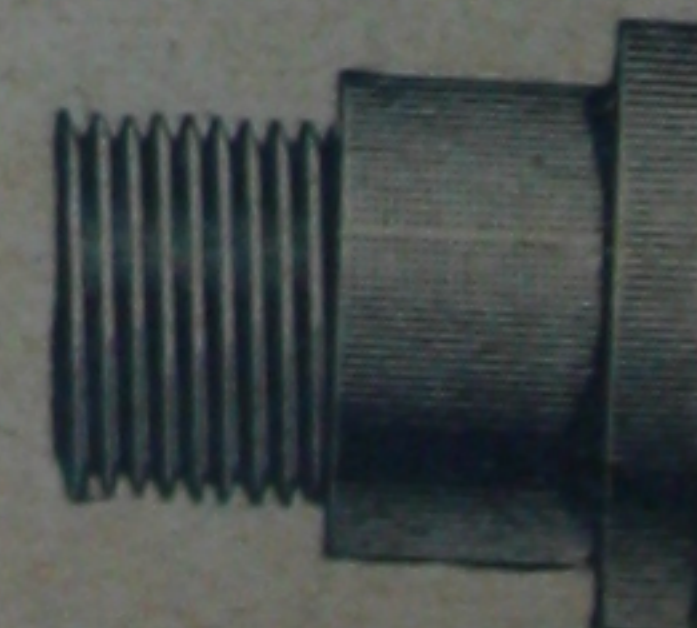
No. W5165.
Nosepiece, for Brass.

$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	2-in.
18/-	24/-	36/-	54/- per gross.
For Iron.			
$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	1 $\frac{1}{2}$ -in.
18/-	24/-	36/-	54/- per gross.



No. W5167.
Coupler.

$\frac{3}{8}$ -in. Brass	...	1/2	per doz.
$\frac{1}{2}$ -in. "	...	1/9	"

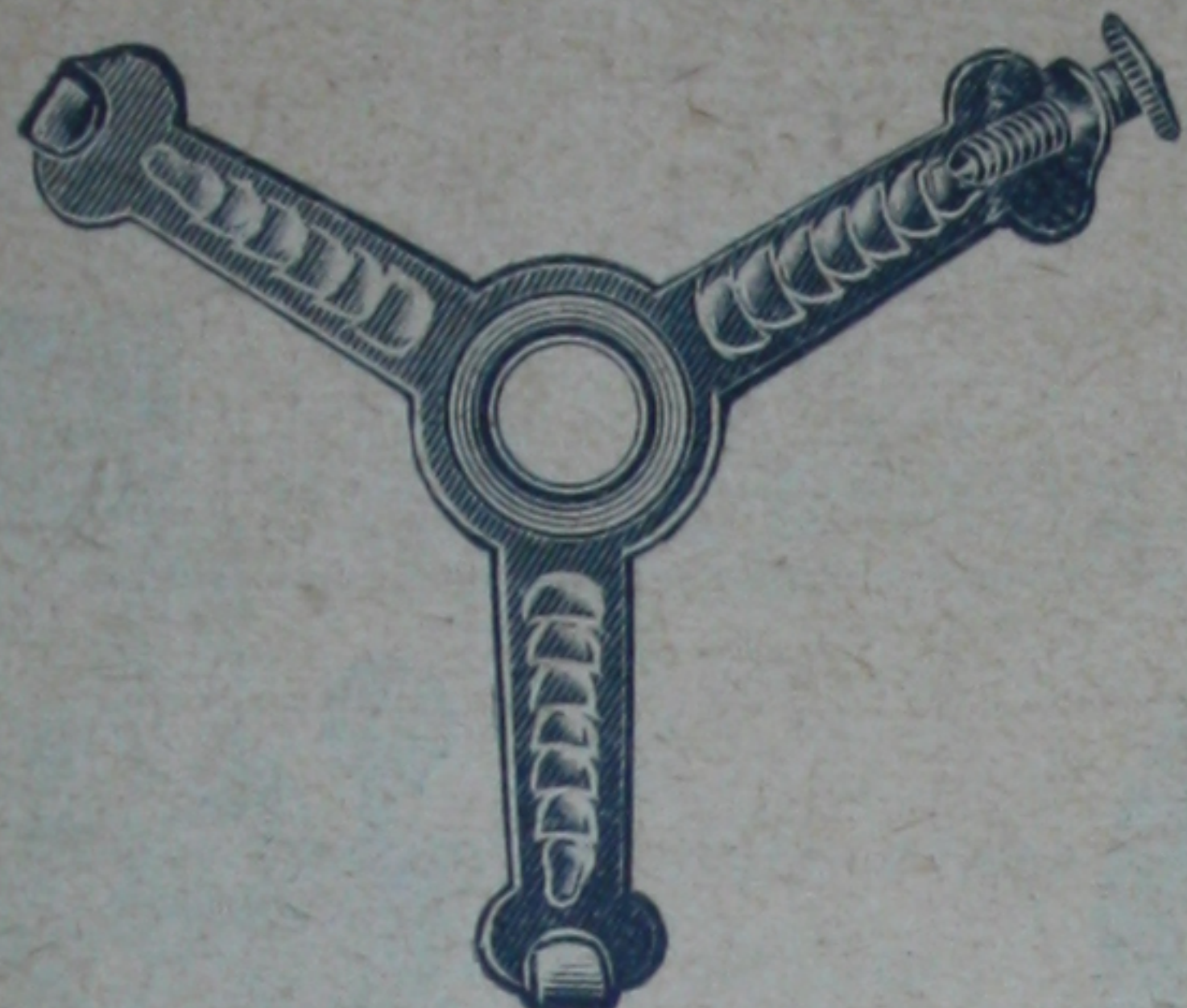


No. W5174.
Diminisher, for Iron.

$\frac{1}{4} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{1}{8}$	$\frac{1}{2} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{3}{8}$ -in.
1/9	2/9	3/6	4/3	4/9	5/- per doz.

WELSBACH LIGHT

Gas Fittings and Connections.



No. W3552.

Glassholder, Stamped.

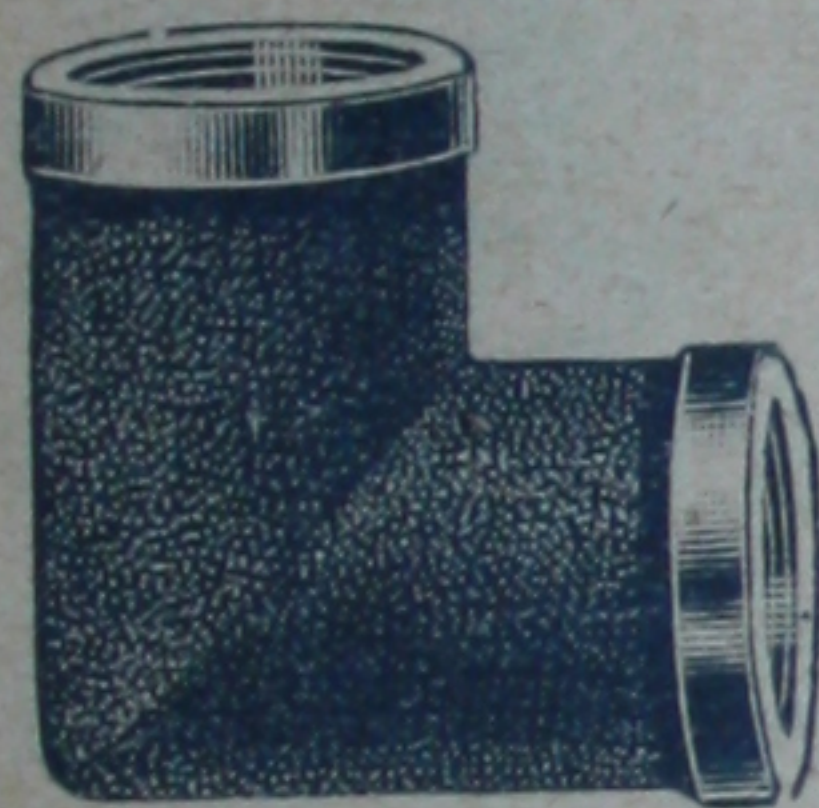
$\frac{3}{8}$ -in. Brass, 2/- per doz. 18 = per gross.



No. W5178.

Brass Gas Cover Plate.

Lacquered, 3-in. diam., 14/- per doz.



No. W3547.

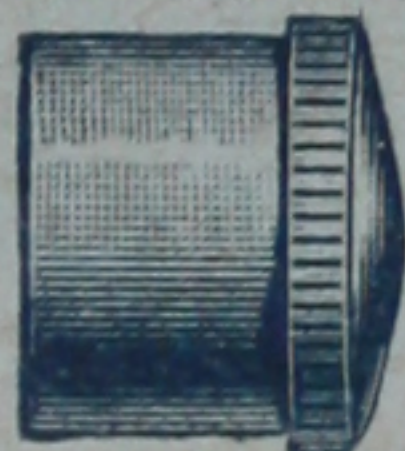
Elbow, for Brass.

Rough—

$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{5}{8} \times \frac{1}{2}$ -in.
2/8	3/6	5/6	3/6	5/6 per doz.

Polished—

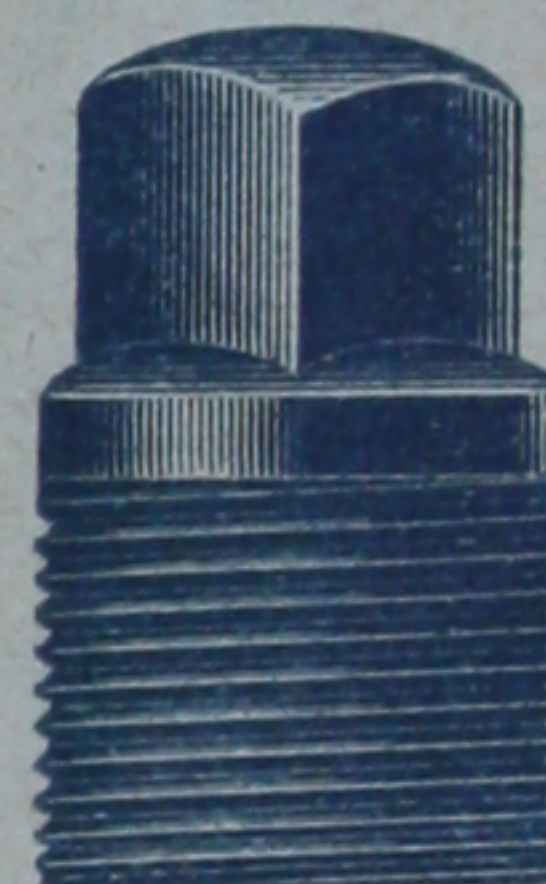
3/9	5/6	—	—	—
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No. W5173.

Stop Cap.

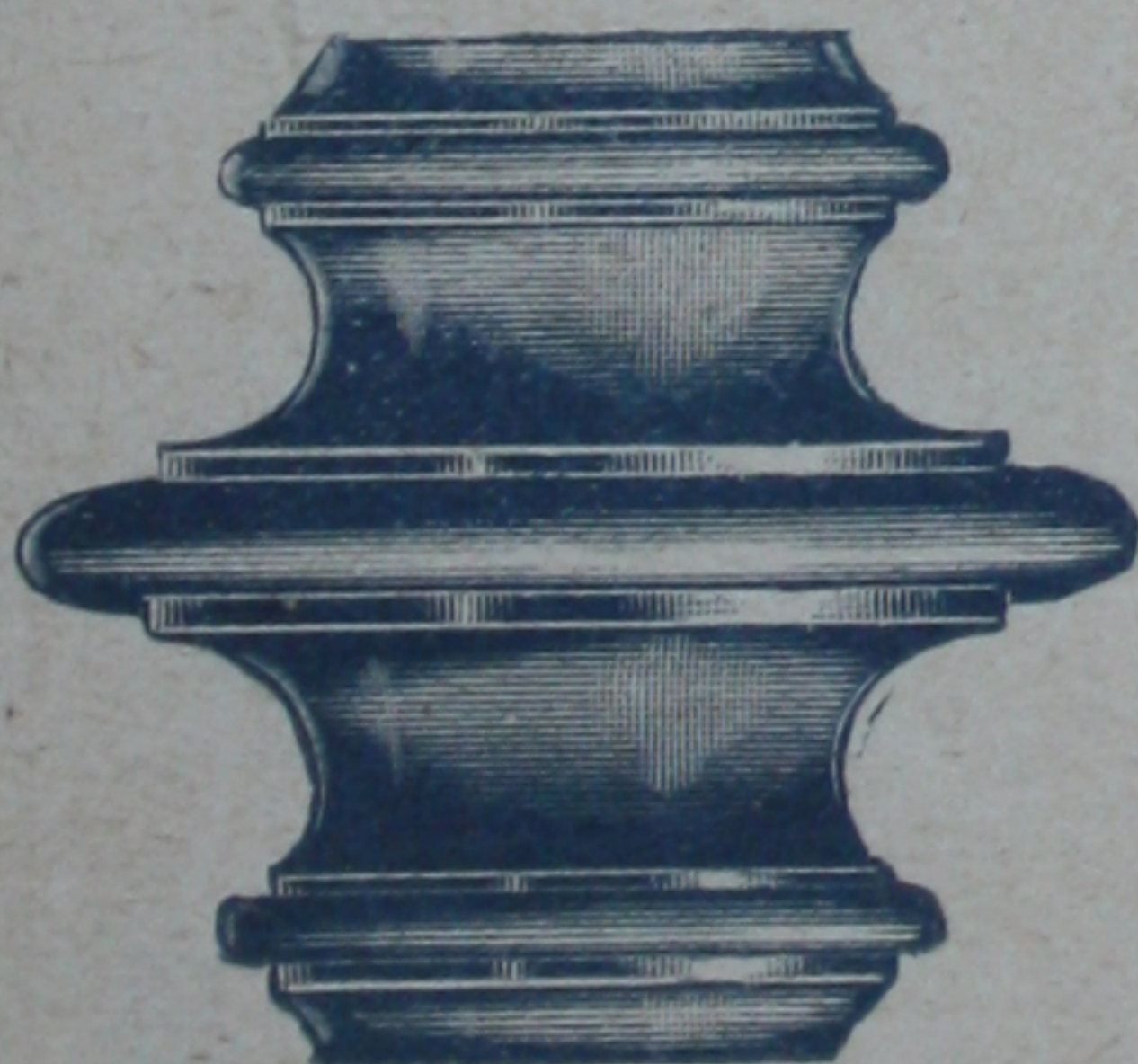
$\frac{3}{8}$ -in. Brass, 8/6 per gross.
 $\frac{1}{2}$ -in. „ 16/6 „



No. W3550.

Screw Plug, for Iron.

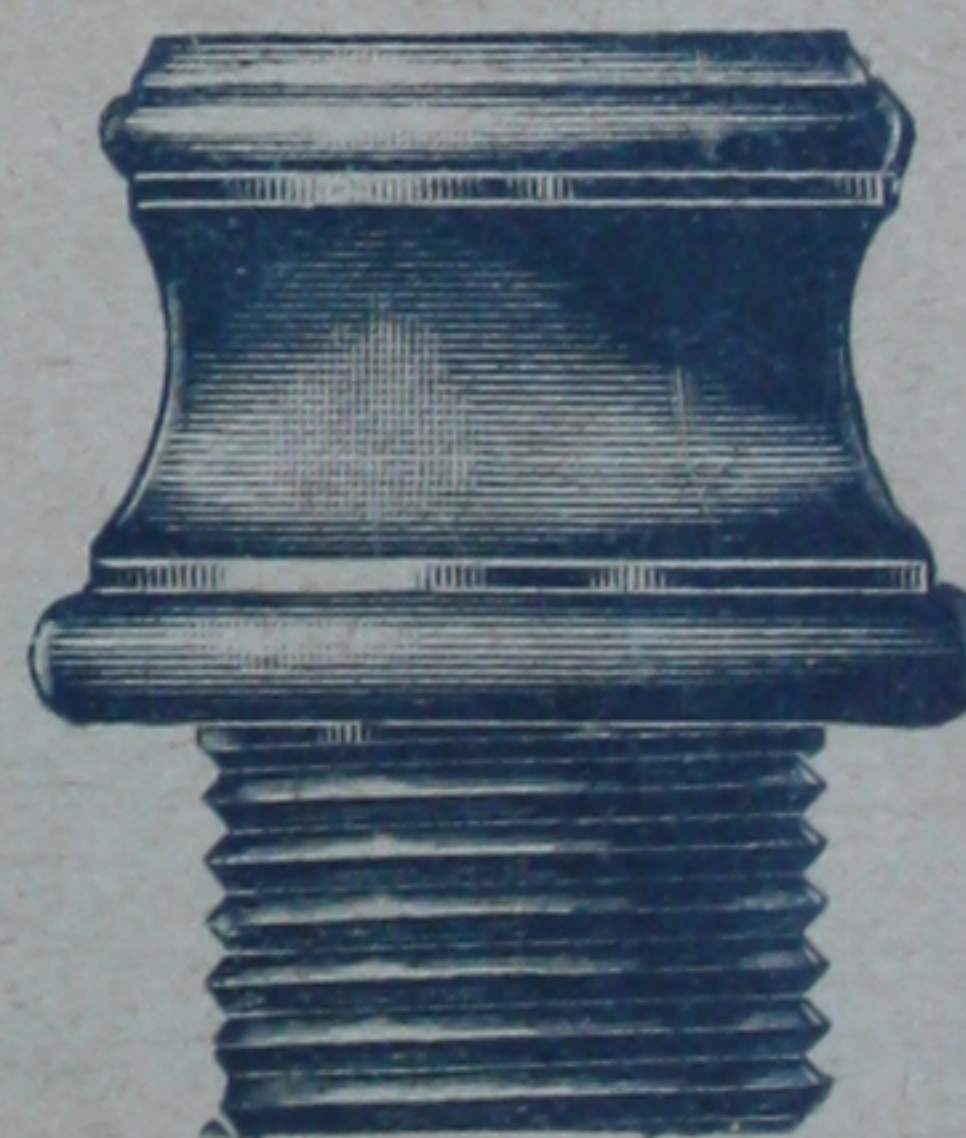
$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$ -in.
11d.	1/5	2/6 per doz.



No. W3549.

Fancy Coupler, for Brass, Polished.

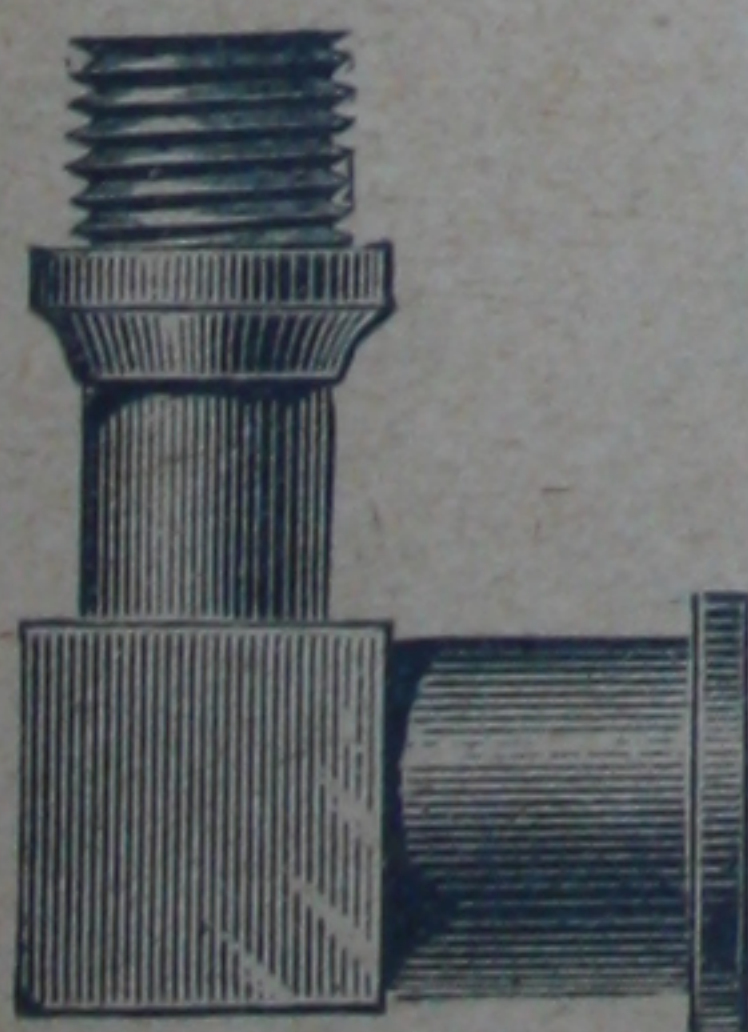
$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$ -in.
3/9	4/6	6/6	8/3	12/=	15/= per doz.



No. W3553.

Pillar Base.

$\frac{3}{4}$ -in. Brass and $\frac{1}{2}$ -in. Iron,
 6/6 per doz.



No. W5158.

Elbow Burner Socket.

For Brass, $\frac{3}{8}$ 2/9 $\frac{1}{2}$ -in. 3/6 per doz.

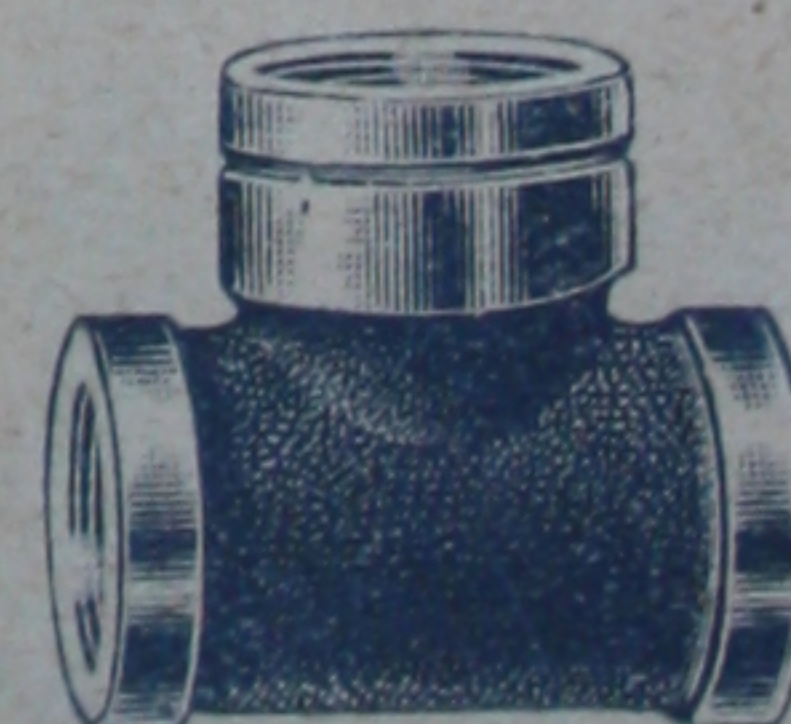
For Iron, $\frac{1}{4}$ 2/9 $\frac{1}{2}$ -in. 3/6 per doz.



No. W3551.

Diminisher, Male and Female, for Iron.

$\frac{1}{4} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{1}{8}$	$\frac{1}{2} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{3}{8}$ -in.
1/=	1/8	1/6	2/10	2/9	2/3 per doz.
$\frac{3}{4} \times \frac{1}{4}$	$\frac{3}{4} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{1}{2}$	1 x $\frac{1}{2}$	1 x $\frac{3}{4}$	$1\frac{1}{4} \times 1$ -in.
5/6	5/=	4/=	7/3	5/9	9/= per doz.



No. W3548.

Tee, for Brass.

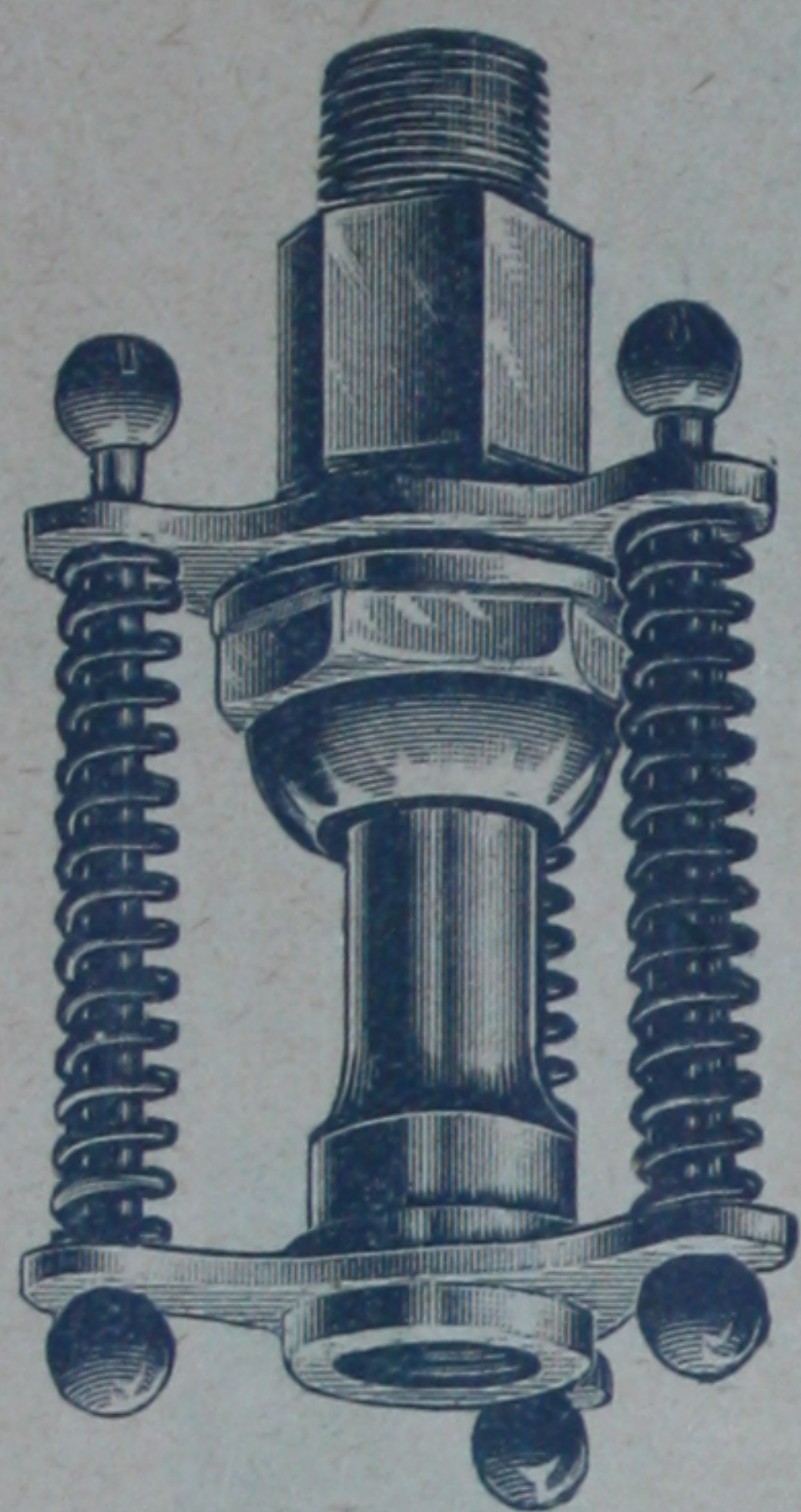
Rough—

$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{5}{8} \times \frac{1}{2}$ -in.
2/9	4/9	5/9	4/3	5/6 per doz.

Polished—

5/3	6/3	—	—	—
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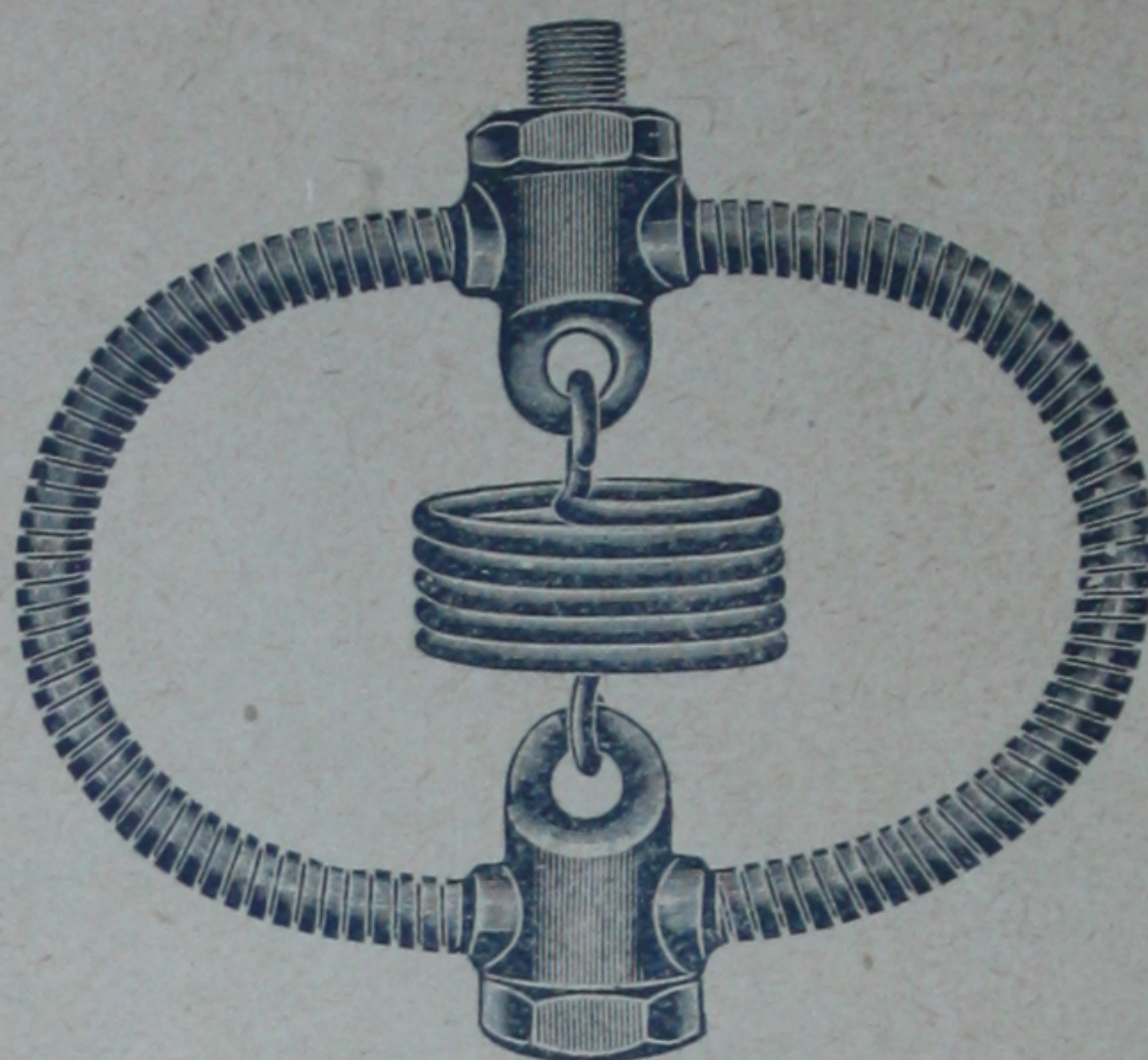
WELSBACH LIGHT



No. W5115.

The "Kent" Patent Safety Cup and Ball Joint.

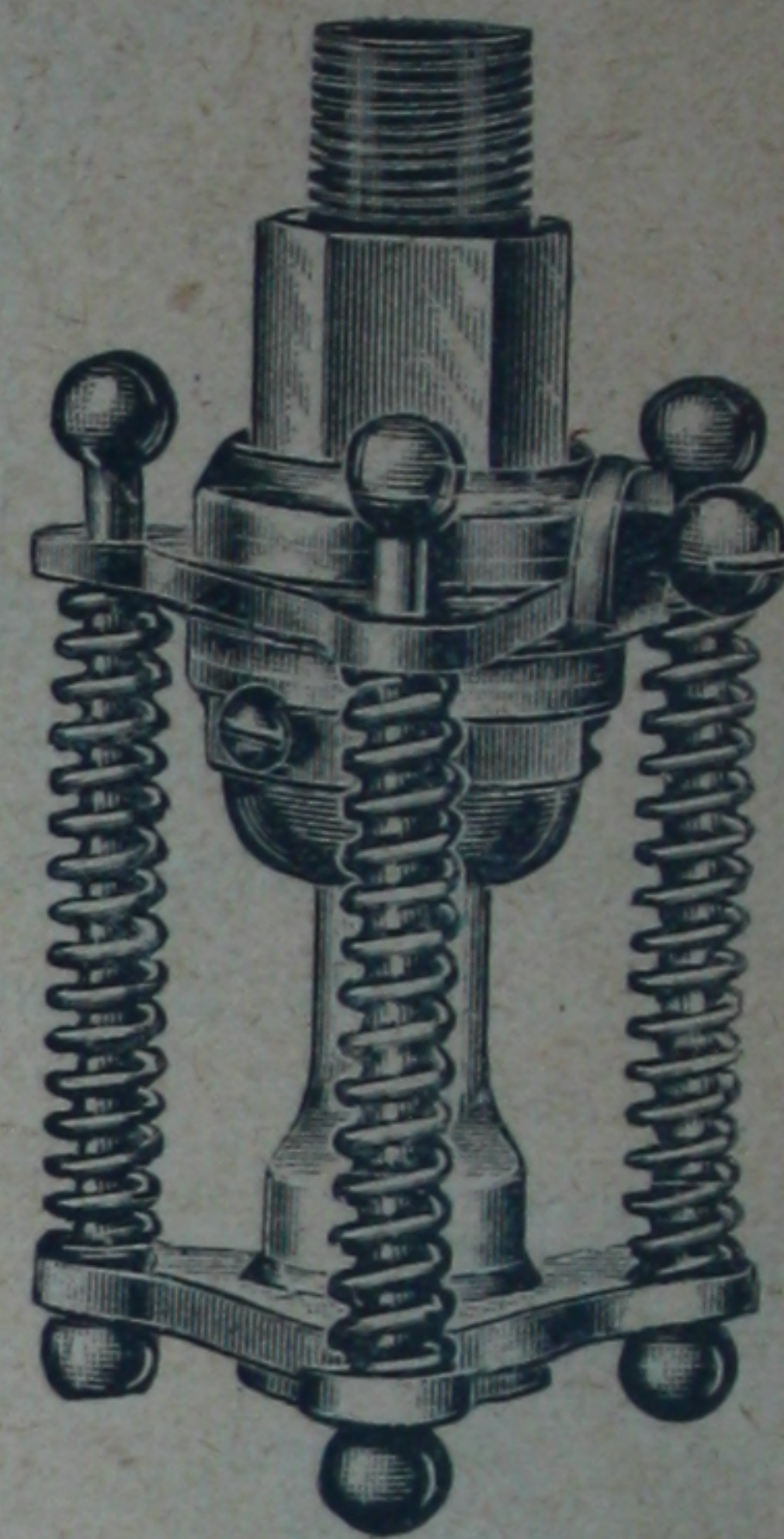
$\frac{3}{8}$ -in. Iron Female	$\times$	$\frac{3}{8}$ -in. Iron Male	each,
$\frac{1}{2}$ -in. "	$\times$	$\frac{1}{2}$ -in. "	8/6
$\frac{3}{4}$ -in. "	$\times$	$\frac{3}{4}$ -in. "	9/6
1-in. "	$\times$	1-in. "	16/-



No. W5139.

Antivibrator.

For use with Fig. W604 and W605.
Fittings, 5/- each.
Ditto for W86, W607, etc. (heavier make),
6/6 each.

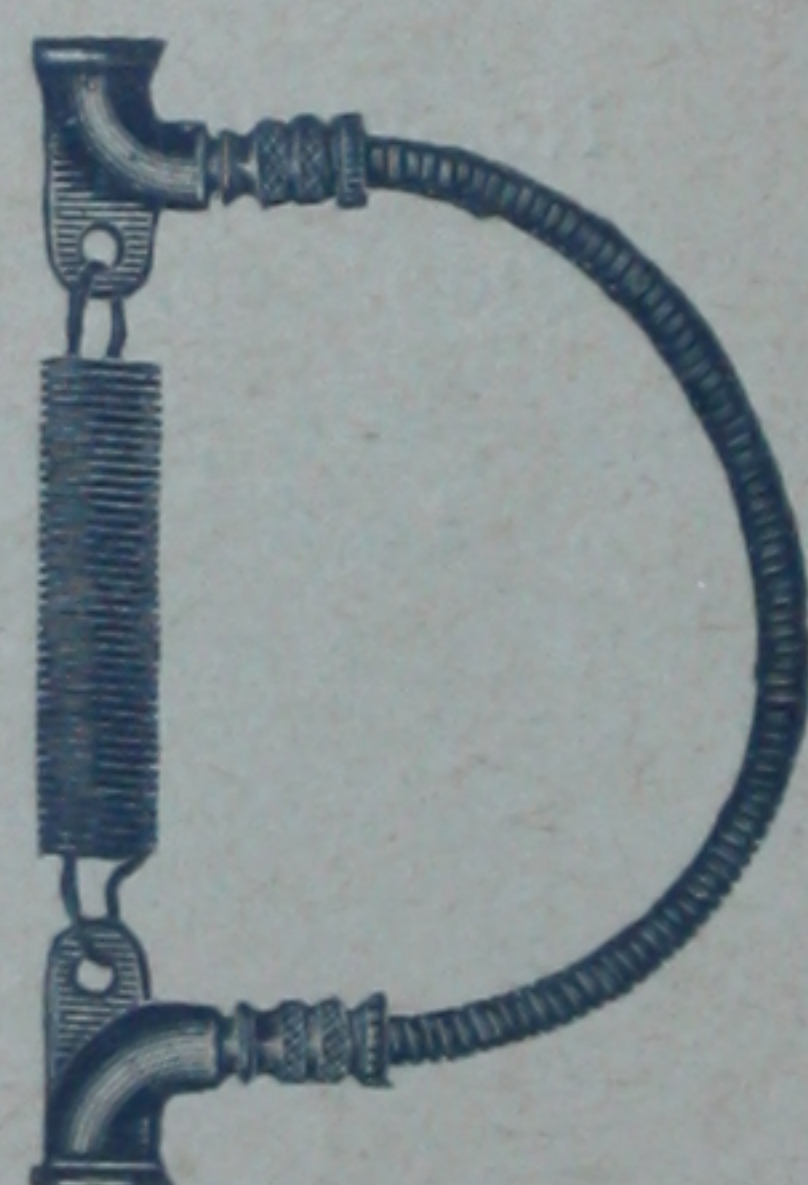


No. W5115A.

The "Kent" Patent Safety Cup and Ball Joint.

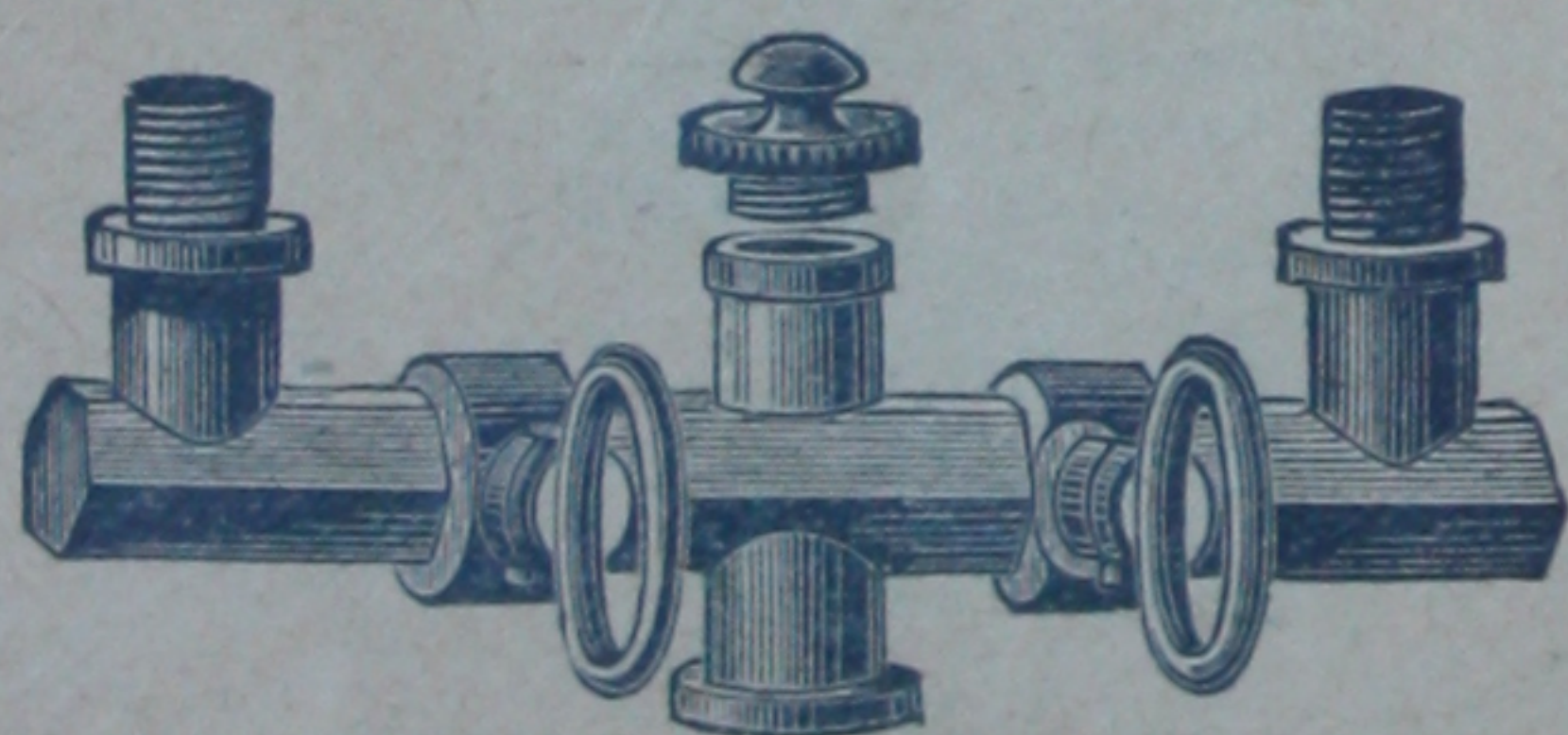
New Pattern with Set Screw to revolve
or fix in position at will.

$\frac{3}{8}$ -in. Iron Female	$\times$	$\frac{3}{8}$ -in. Iron Male	each,
$\frac{1}{2}$ -in. "	$\times$	$\frac{1}{2}$ -in. "	8/9
$\frac{3}{4}$ -in. "	$\times$	$\frac{3}{4}$ -in. "	9/9
1-in. "	$\times$	1-in. "	10/4



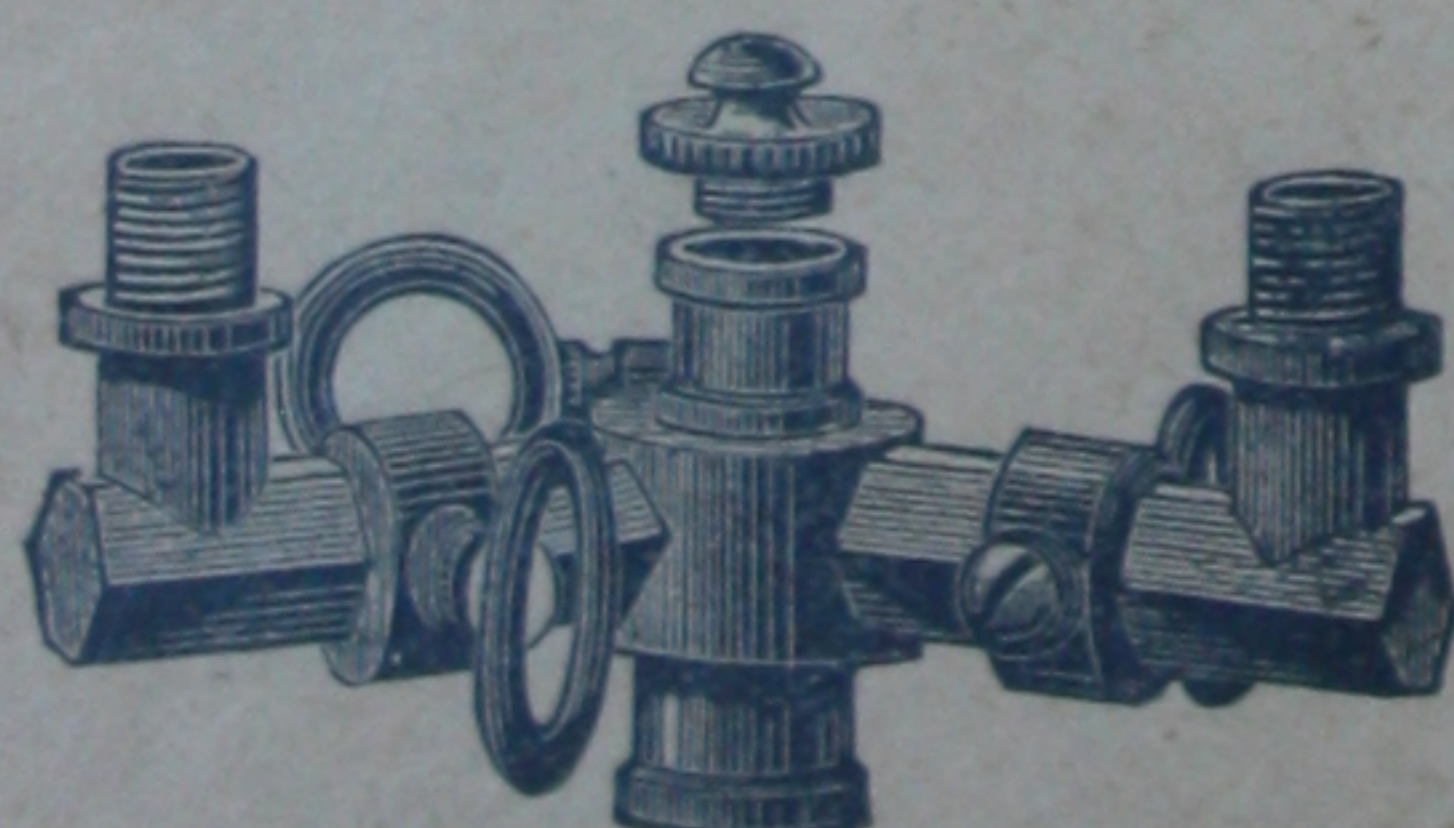
No. W1964.

$\frac{1}{4}$ -in. Female.
2/6 each.



No. W5057.

Two-Light Body, with Taps, 3/- each.



No. W5058.

Three-Light Body, with Taps, 6/- each.



No. 2097.

$\frac{3}{8}$ -in.
13/6

$\frac{1}{2}$ -in. Brass.
16/6 per doz.



No. 2098.

$\frac{3}{8}$ -in.
14/-

$\frac{1}{2}$ -in. Brass.
16/6 per doz.

Lever Cocks, for Flexible Metallic Tube Pendants.

WELSBACH LIGHT

British Made . . .

Flexible Metallic Tubing.

THE increasing demand for this class of Tubing is a proof of its utility. By its employment dangers from fire and risks of unpleasant smells are obviated, while its strength and durability render it suitable for most practical purposes.

In ordering Flexible Metallic Tubing it should be noted that a size smaller, than that required in case of rubber tubing, will be found to be sufficient.—Thus $\frac{5}{16}$ -in. steel may be used in lieu of $\frac{3}{8}$ -in. rubber, and $\frac{3}{8}$ -in. steel in lieu of $\frac{1}{2}$ -in. rubber.



No. W5179.



Fig. 1



Fig. 2



Fig. 3

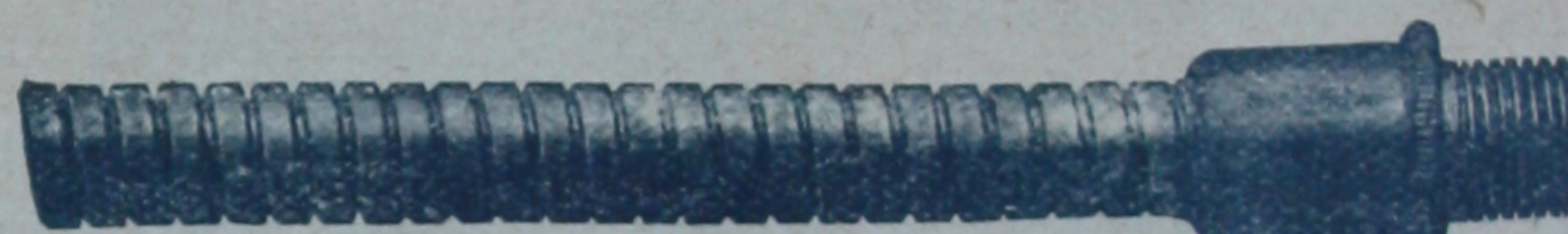


Fig. 4



Fig. 5

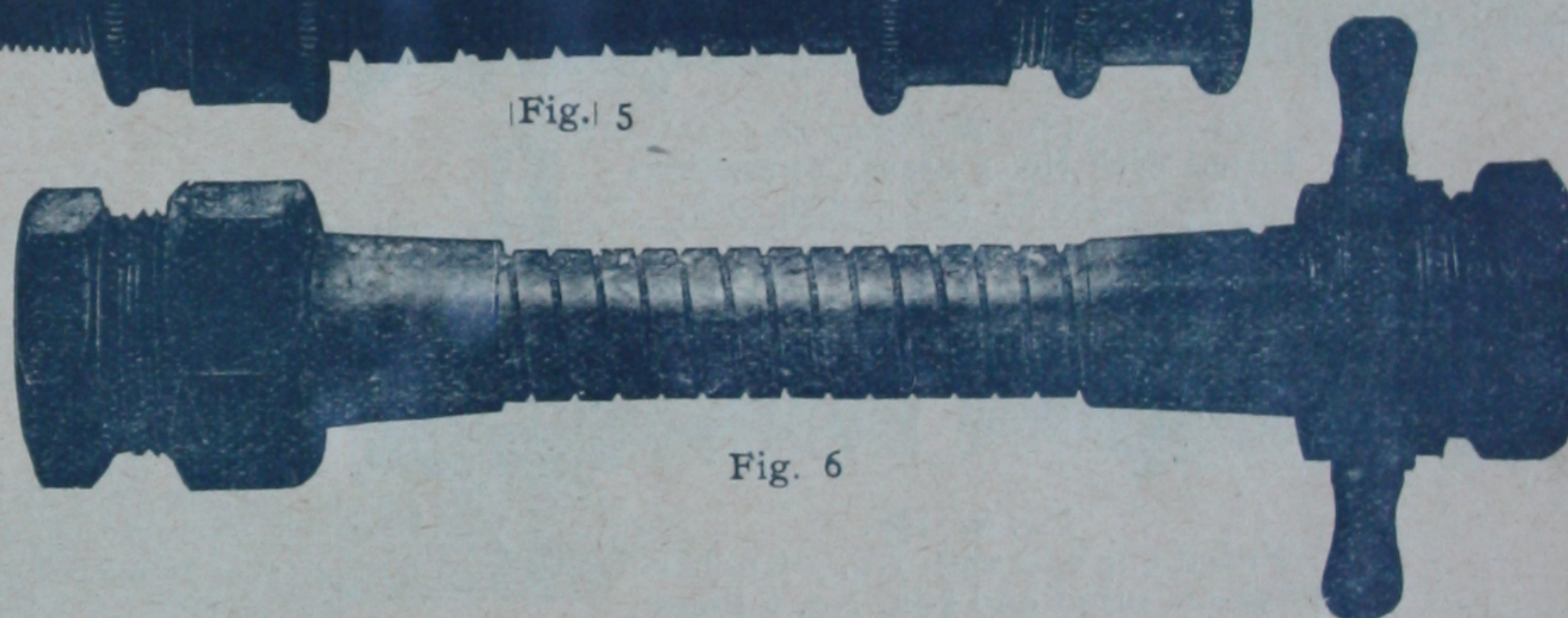


Fig. 6

No. W5179.—STEEL FLEXIBLE METALLIC TUBING.

SIZE (Internal Diameter)	$\frac{1}{8}$ -in.	$\frac{3}{16}$ -in.	$\frac{7}{32}$ -in.	$\frac{1}{4}$ -in.	$\frac{5}{16}$ -in.	$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.	$\frac{5}{8}$ -in.	$\frac{3}{4}$ -in.
Per Doz. Feet (Cut to any Length) ...	7/-	8/6	4/6	3/4	4/-	8/4	21/-	26/-	34/-

In 30 or 60-ft. Coils, 5 per cent. off the above prices.

Bronzing 3d. per foot extra. Enamelling in Colours no extra charge—but to order only.

RUBBER CONNECTIONS FOR ABOVE.

SIZE	$\frac{1}{8}$ -in.	$\frac{3}{16}$ -in.	$\frac{7}{32}$ -in.	$\frac{1}{4}$ -in.	$\frac{5}{16}$ -in.	$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.	$\frac{5}{8}$ -in.	$\frac{3}{4}$ -in.
Rubber Push-on No. 1	per doz. ...	—	—	1/8	2/-	2/2	—	—	—
	per doz. by the gross	—	—	1/7	1/11	2/1	—	—	—
" " No. 2	per doz. ...	—	—	1/9	1/10	2/6	—	—	—
	per doz. by the gross	—	—	1/8	1/9	2/5	—	—	—
" " No. 3	per doz. ...	—	—	2/9	3/6	5/-	—	—	—
	per doz. by the gross	—	—	2/6	3/3	4/9	—	—	—

Prices of Flexible Tubing and Rubber Connections subject to fluctuations in Rubber Market.

BRASS CONNECTIONS FOR ABOVE.

SIZE (to fit size of Tubing given)	$\frac{1}{8}$ -in.	$\frac{3}{16}$ -in.	$\frac{7}{32}$ -in.	$\frac{1}{4}$ -in.	$\frac{5}{16}$ -in.	$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.	$\frac{5}{8}$ -in.	$\frac{3}{4}$ -in.
Adapters No. 4 per doz.	2/-	2/-	2/-	2/-	3/10	—	—	—	—
Back Caps No. 5 per doz.	6/-	6/-	7/-	7/3	8/9	13/-	—	—	—
Hexagon and Wing Caps No. 6 ... per doz.	13/-	13/-	13/-	13/-	15/6	17/6	23/6	30/-	58/-

The Tubing is Cut in any Required Length, and the Connections Fitted Without Extra Cost.

WELSBACH LIGHT

Galvanised Flexible Steel Gas Tubing (British Made).

Owing to the increasing demand this **Steel Tubing is now greatly reduced in cost of manufacture** and is as cheap as rubber and braided Tubing. Steel Tubing is **stronger, more durable** and is **practically fireproof**.

In ordering **Flexible Metallic Tubing** it should be noted that a size smaller than that required, in case of rubber Tubing, will be found to be sufficient:—Thus $\frac{5}{16}$ -in. steel may be used in lieu of $\frac{3}{8}$ -in. rubber, and $\frac{3}{8}$ -in. steel in lieu of $\frac{1}{2}$ -in. rubber.

Superior Quality.

British Made.



No. W5181.

Fitted with No. 2 Rubber Push-on Connections at each end.

		2	3	4	5	6 ft. lengths.
W5181	($\frac{5}{16}$ -in. internal diameter)	11/8	15/9	19/8	23/8	28/- per doz.
W5182	($\frac{3}{8}$ -in. " ")	21/8	30/-	38/6	46/8	55/- lengths.



No. W5183.

Fitted one end with No. 4 Brass Connector ($\frac{3}{8}$ -in. B. Male), other end No. 2 Rubber Push-on.

W5183	($\frac{5}{16}$ -in. " ")	13/8	17/8	21/8	25/8	29/8	"
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No. W5184.

Fitted with No. 4 Brass Connections ($\frac{3}{8}$ -in. brass M. & F.) each end.

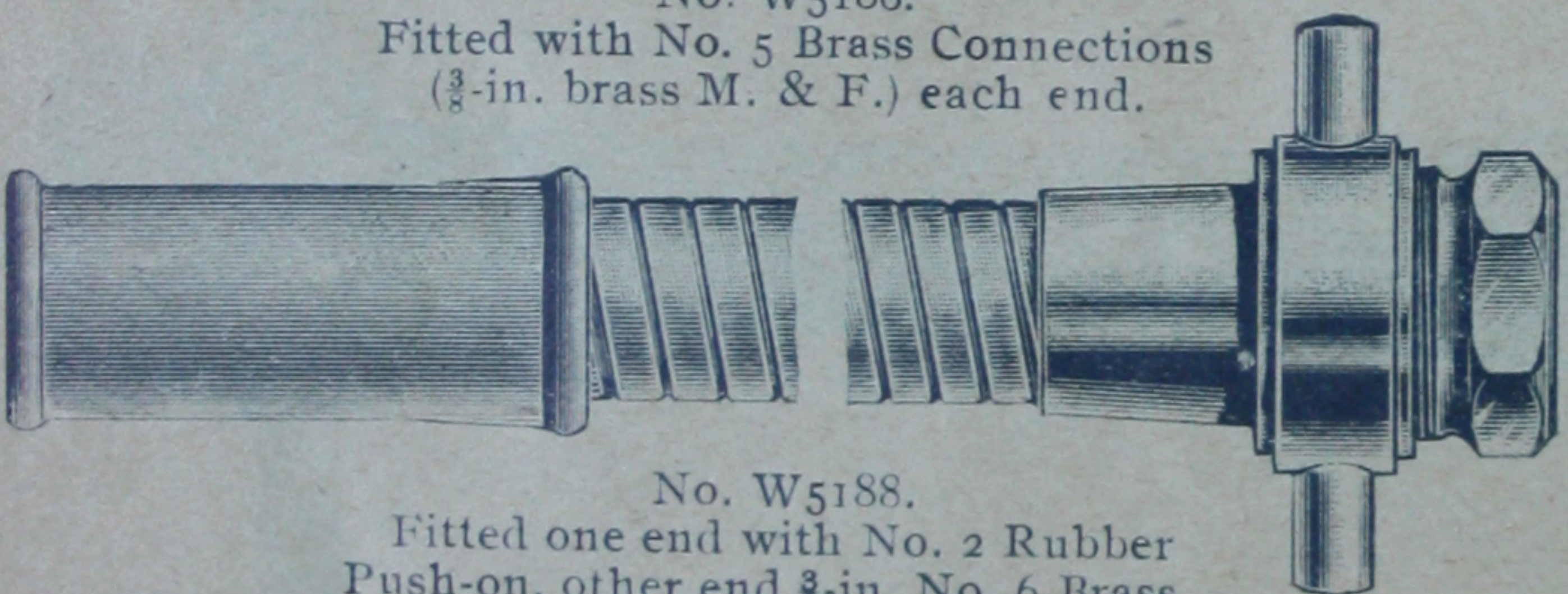
W5184	($\frac{1}{4}$ -in. " ")	10/8	14/-	17/4	20/8	24/-	"
W5185	($\frac{5}{16}$ -in. " ")	15/8	19/8	23/8	27/8	31/8	"



No. W5186.

Fitted with No. 5 Brass Connections ($\frac{3}{8}$ -in. brass M. & F.) each end.

W5186	($\frac{5}{16}$ -in. " ")	25/6	29/6	33/6	37/6	41/6	"
W5187	($\frac{3}{8}$ -in. " ")	42/8	51/-	59/4	67/8	76/-	"



No. W5188.

Fitted one end with No. 2 Rubber Push-on, other end $\frac{3}{8}$ -in. No. 6 Brass Wing Cap Union.

W5188	($\frac{5}{16}$ -in. " ")	25/4	29/4	33/4	37/4	41/4	"
W5189	($\frac{3}{8}$ -in. " ")	36/8	45/-	53/4	61/8	70/-	"

Longer lengths supplied promptly to order at proportionate prices.

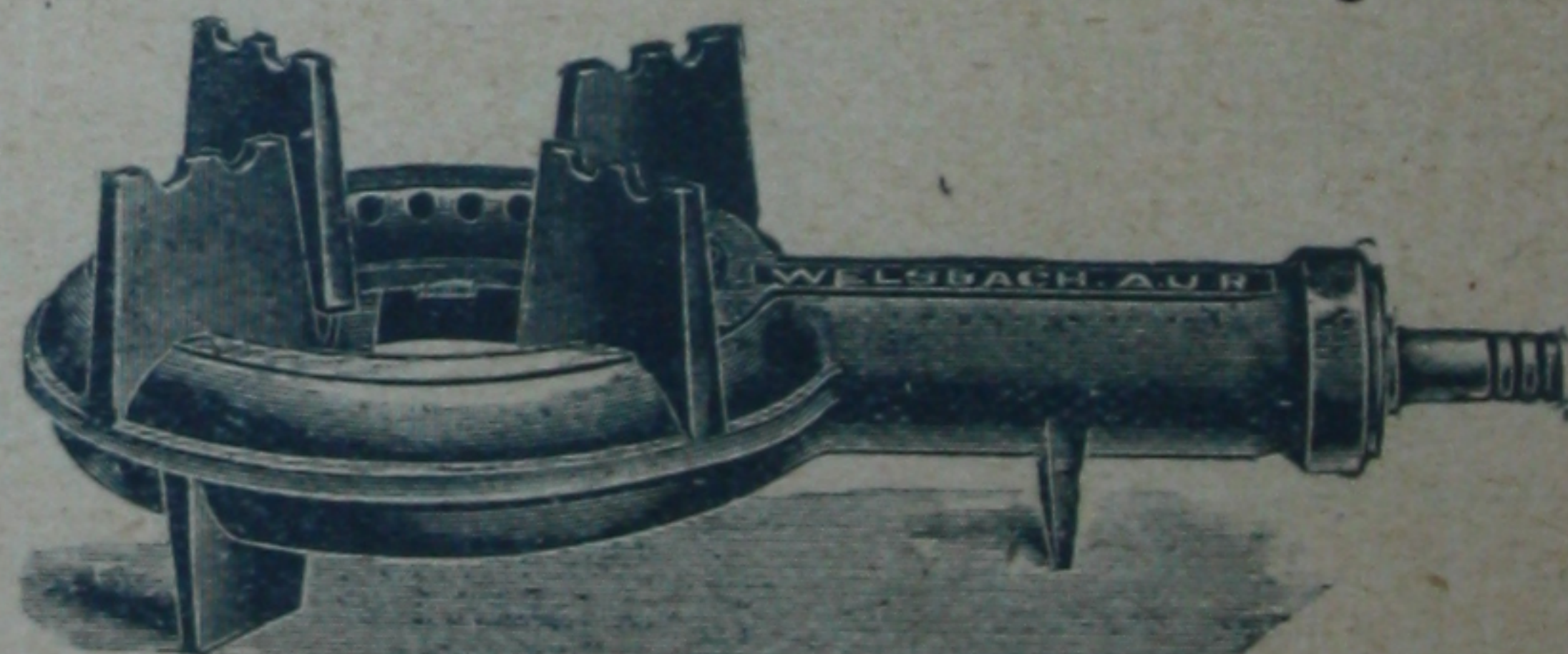
The "Welsbach" Gas Rings.



No. W109H.

Boiling Ring.

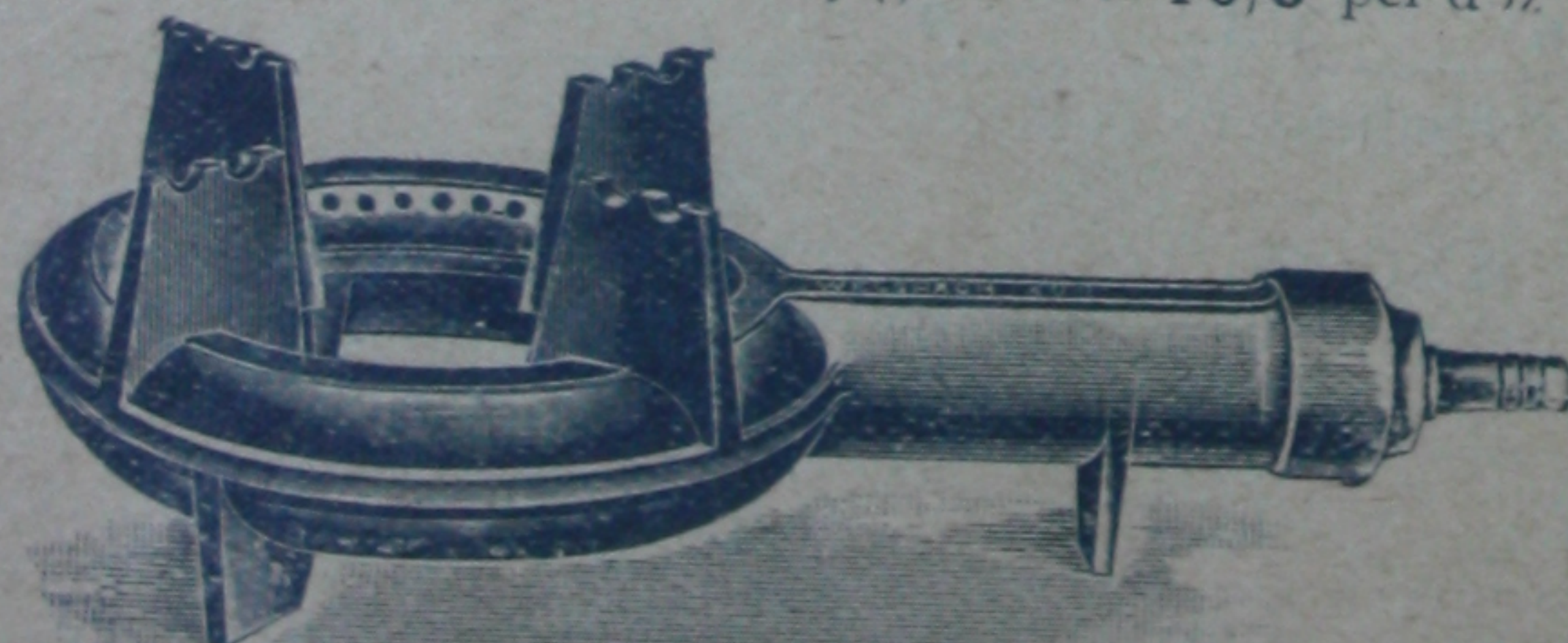
Length $7\frac{1}{2}$ -in., Diameter $4\frac{1}{4}$ -in. 12 jets.
11/6 per doz. By gross lots 10/6 per doz.



No. W110H.

Boiling Ring.

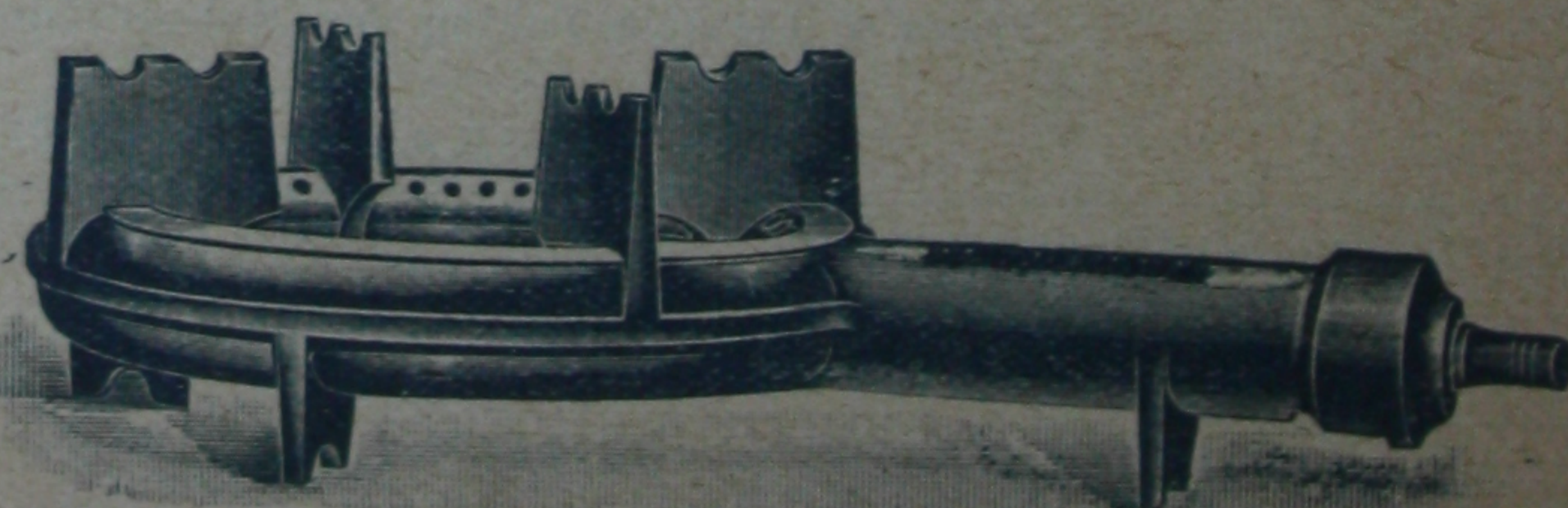
Length $8\frac{1}{2}$ -in., Diameter $5\frac{1}{4}$ -in. 20 jets.
14/- per doz. By gross lots 12/6 per doz.



No. W115H.

Boiling Ring.

Length $10\frac{1}{4}$ -in., Diameter 6-in. 28 jets.
17/- per doz. By gross lots 15/6 per doz.



No. W116H.

Boiling Ring.

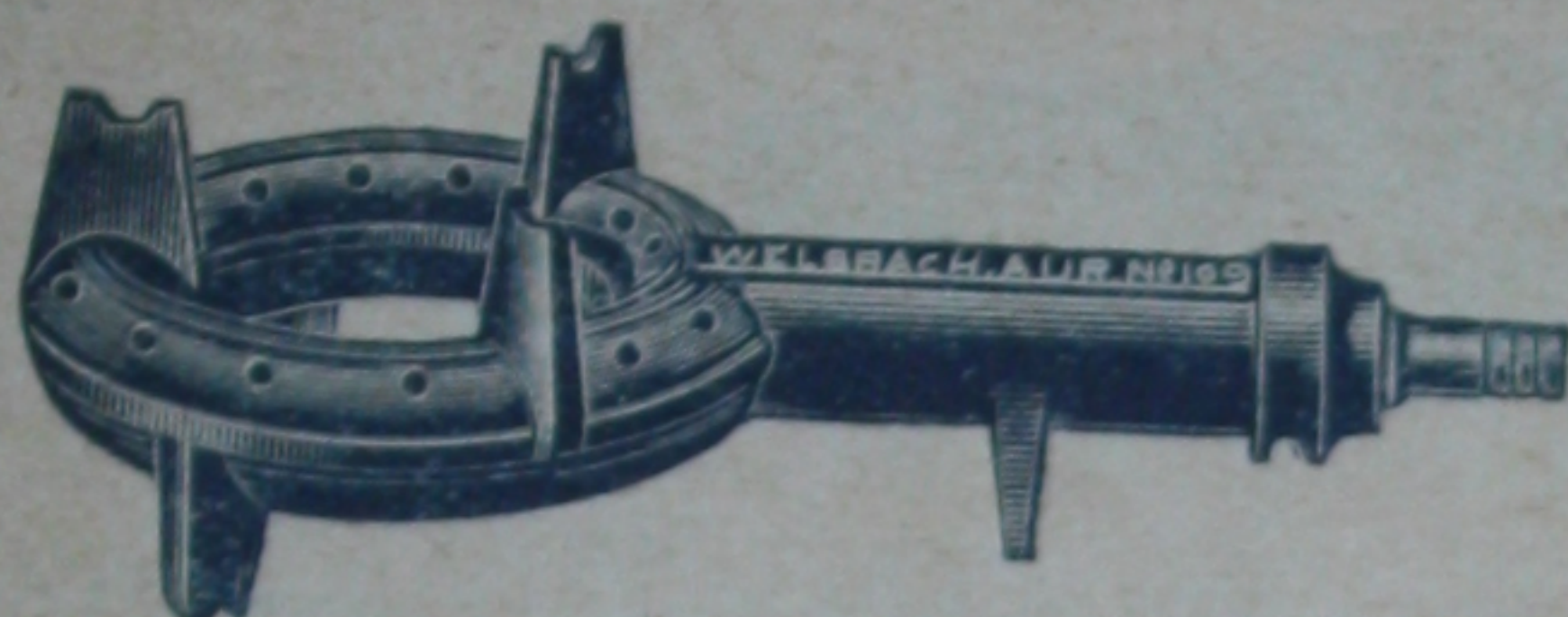
Length $13\frac{1}{2}$ -in., Diameter 8-in. 48 jets.
26/- per doz. By gross lots 24/- per doz.

WELSBACH LIGHT

The "Welsbach" Gas Rings.

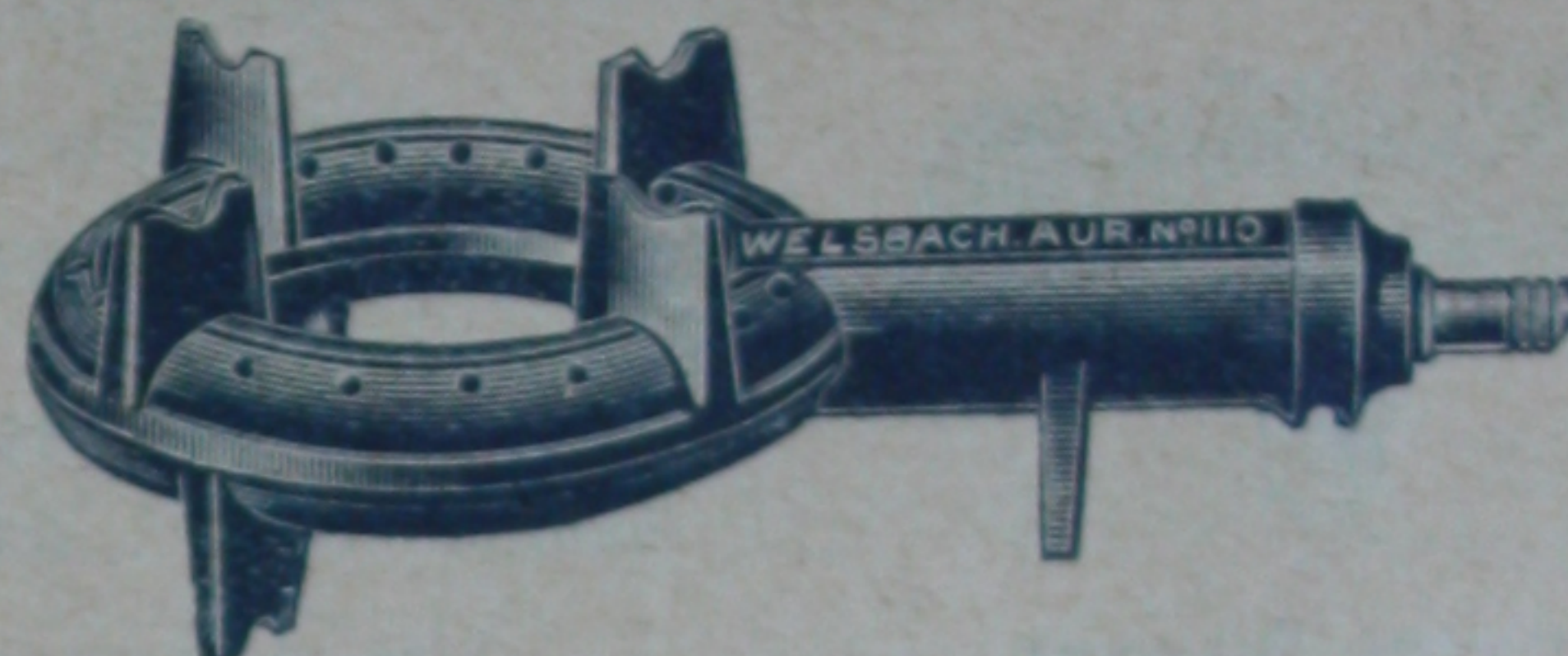
WITH DOUBLE ROW OF JETS,

EXCEPTIONALLY POWERFUL.



No. 109BB.

12/6 per doz. By gross lots, 11/6 per doz.



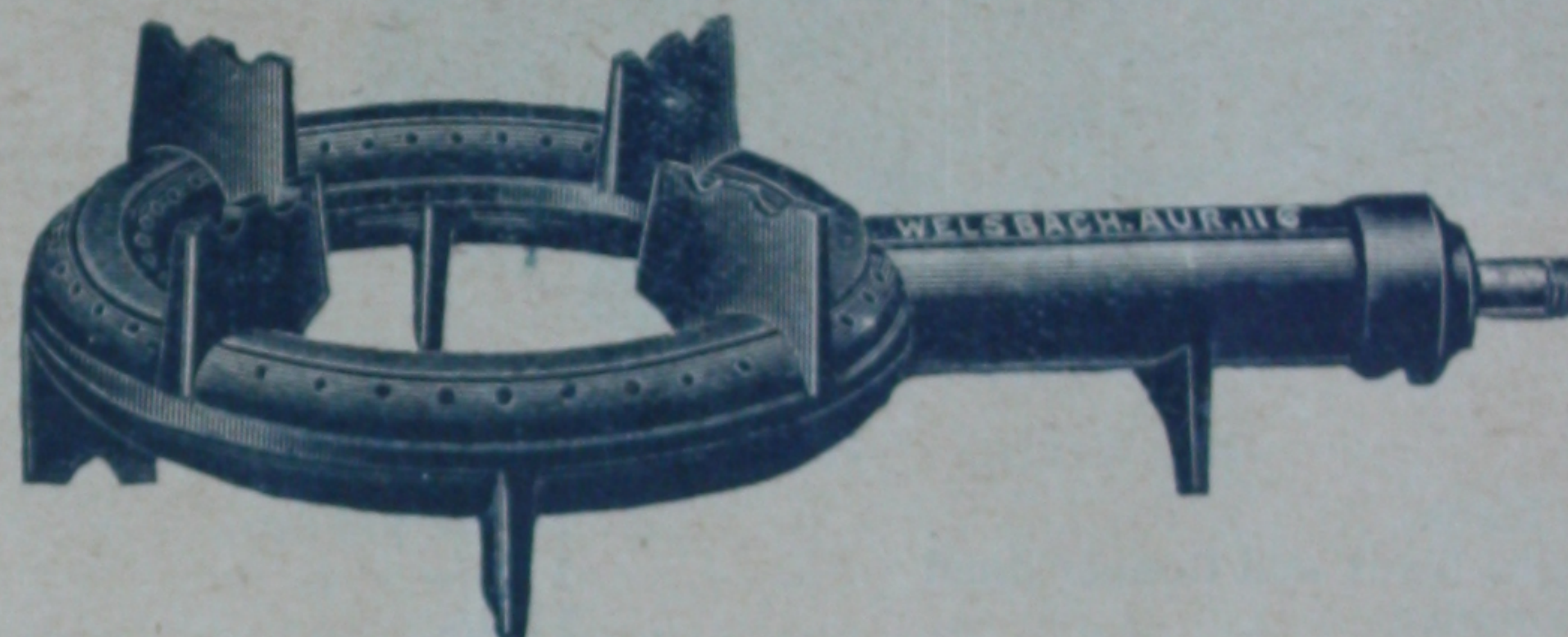
No. 110BB.

15/6 per doz. By gross lots, 14/6 per doz.



No. 115BB.

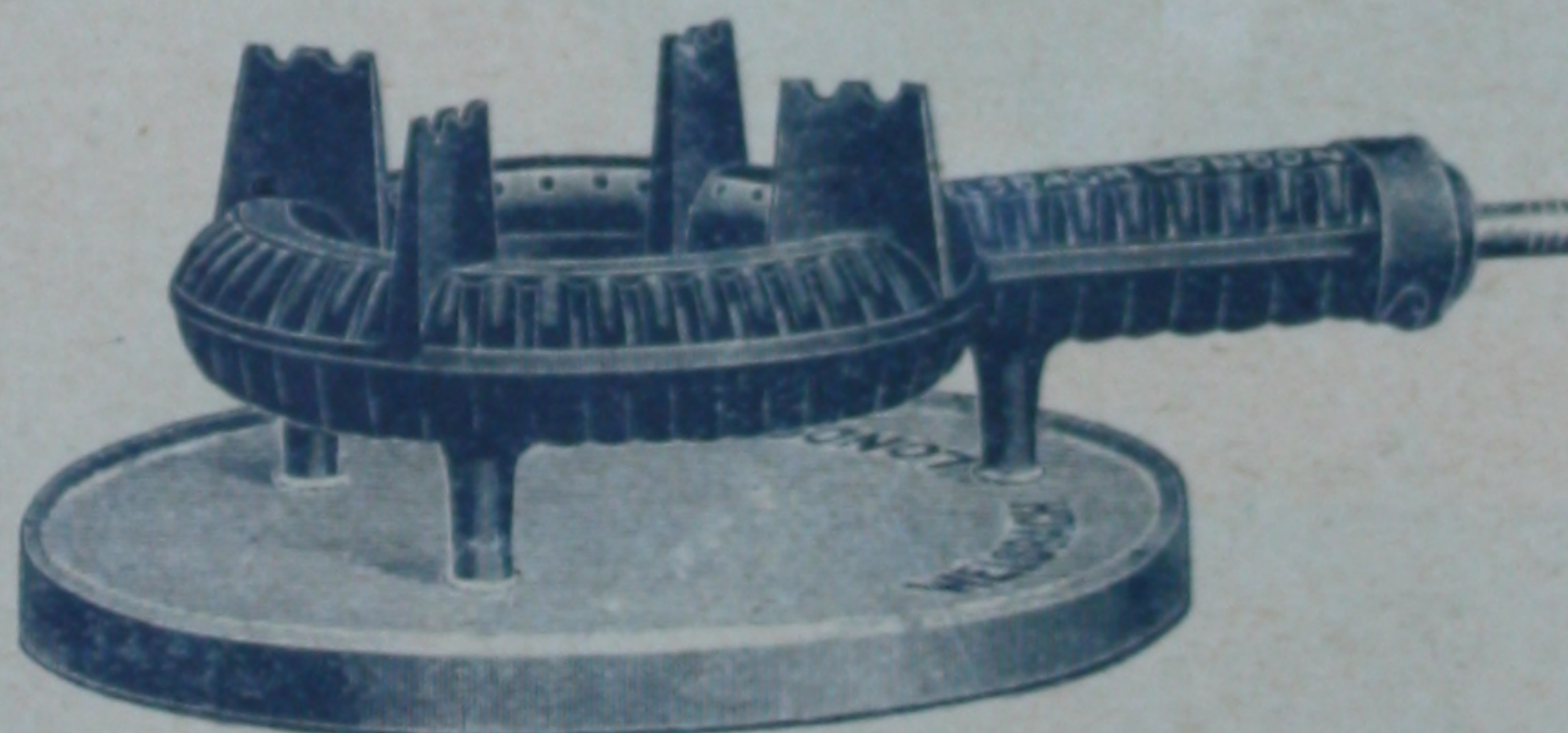
19/6 per doz. By gross lots, 17/6 per doz.



No. 116BB.

29/6 per doz. By gross lots, 27/6 per doz.

Our New Pattern—Gas Ring on Enamelled Tray.

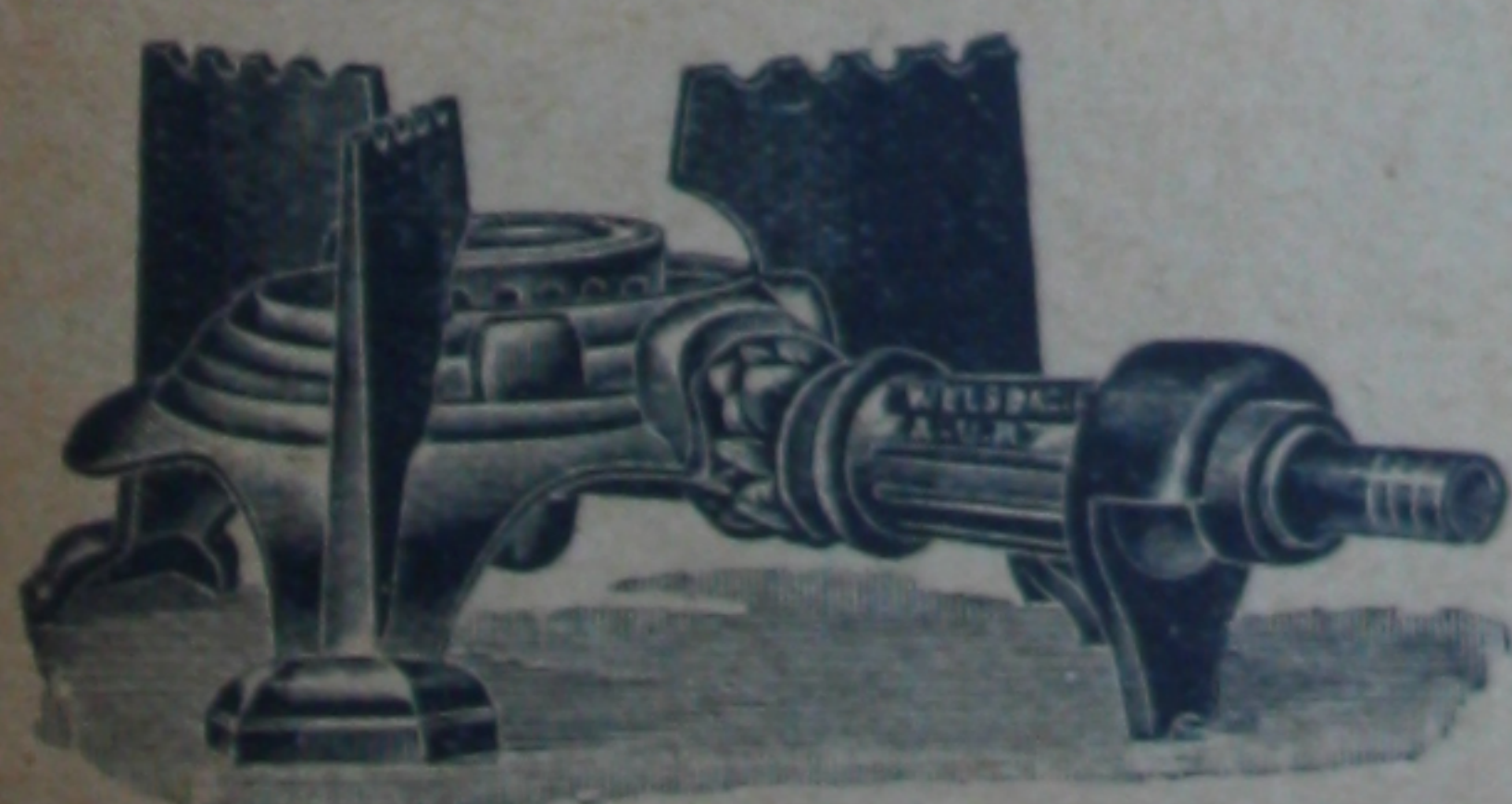


Length 10½-in., Diameter of Ring, 6-in., Diameter of Tray, 8½-in.

No. W115A.	Art Black Ring on Enamelled Tray	...	Loose lots 50/6 per doz.	By gross lots 48/6 per doz.
No. W115B.	Enamelled	...	70/6	66/6

The "Welsbach" Turret Gas Rings.

PLAIN PATTERNS.

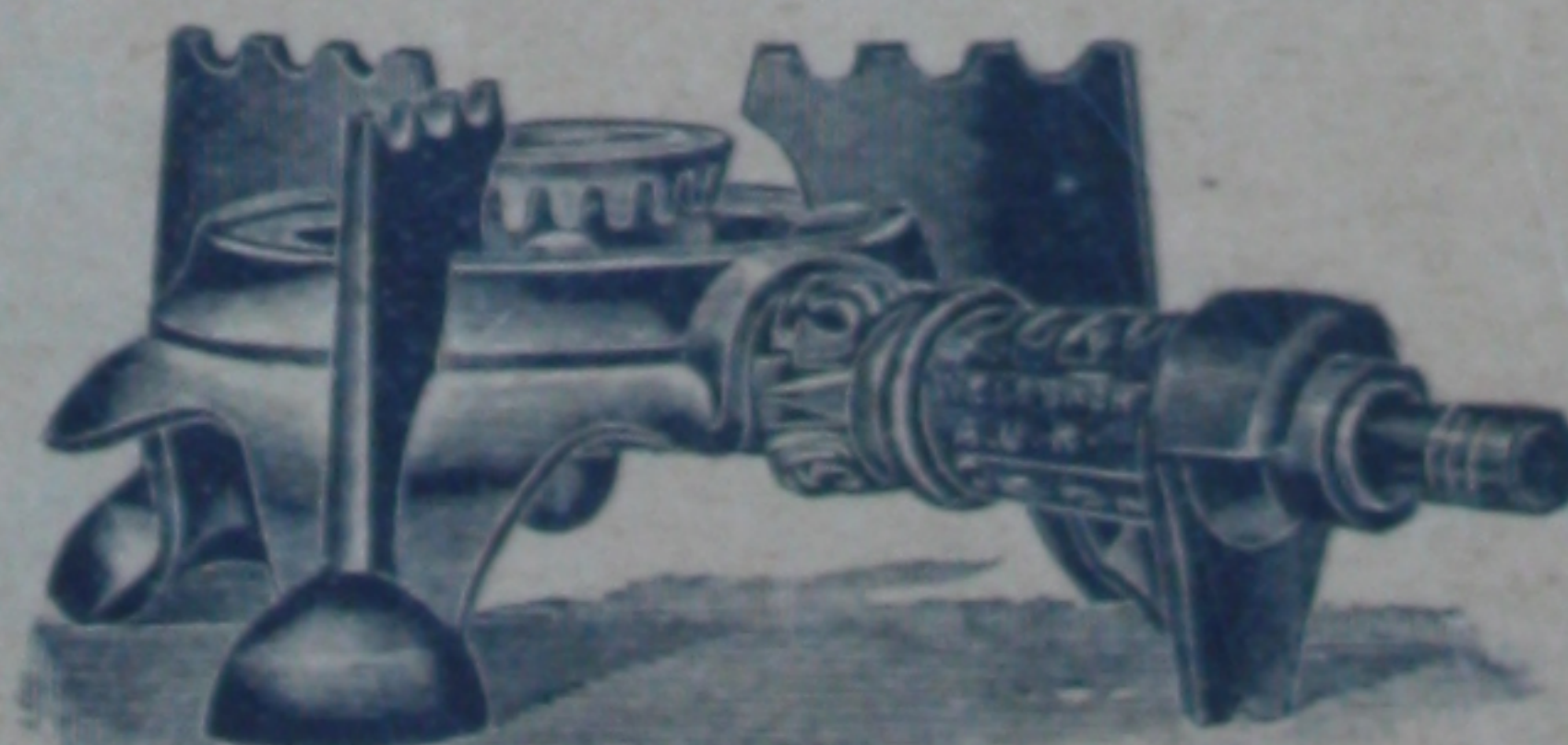


No. W117H.

Length 9½-in., Diameter of Kettle Rest 5-in.

Art Black ... 17/6 per doz.

Enamelled ... 24/6

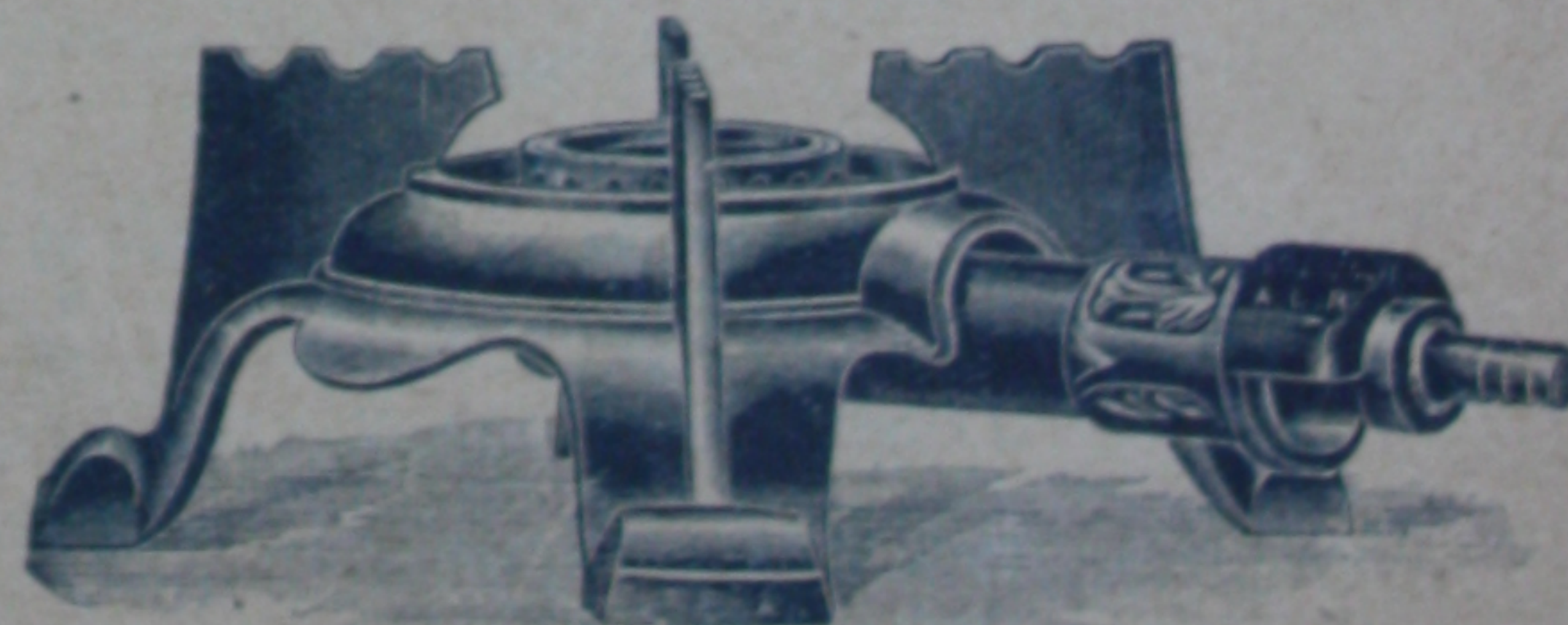


No. W118H.

Length 10½-in., Diameter of Kettle Rest 6-in.

Art Black ... 22/6 per doz.

Enamelled ... 30/6



No. W119H.

Length 11-in., Diameter of Kettle Rest 7-in.

Art Black ... 33/6 per doz.

Enamelled ... 45/6

WELSBACH LIGHT

Welsbach Hot Plates and Cast Trays for same.



One-Turret Burner.

No. W120H.

Hot Plate.

Art Black... ...45/= per doz.
Bright Black and
Copper lined ...49/= "
Enamelled ...61/= "

Size 10 by 10 inches.

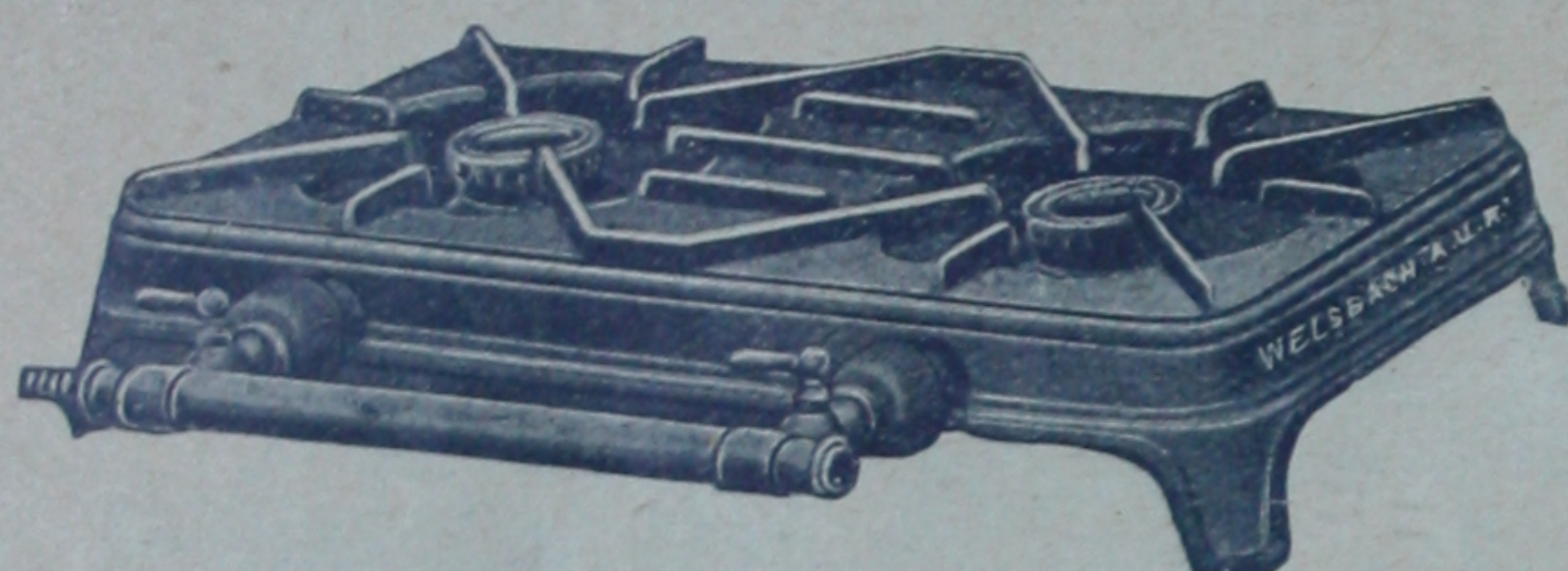


No. W120H.

Tray.

Art Black... ...26/= per doz.
Bright Black and
Copper lined ...30/= "
Enamelled ...42/= "

Size 11½ by 11½ inches.



Two-Turret Burners.

No. W121H. Hot Plate.

Art Black 109/= per doz.
Bright Black and Copper lined 116/= "
Enamelled 160/= "

Size 19½ by 10 inches.

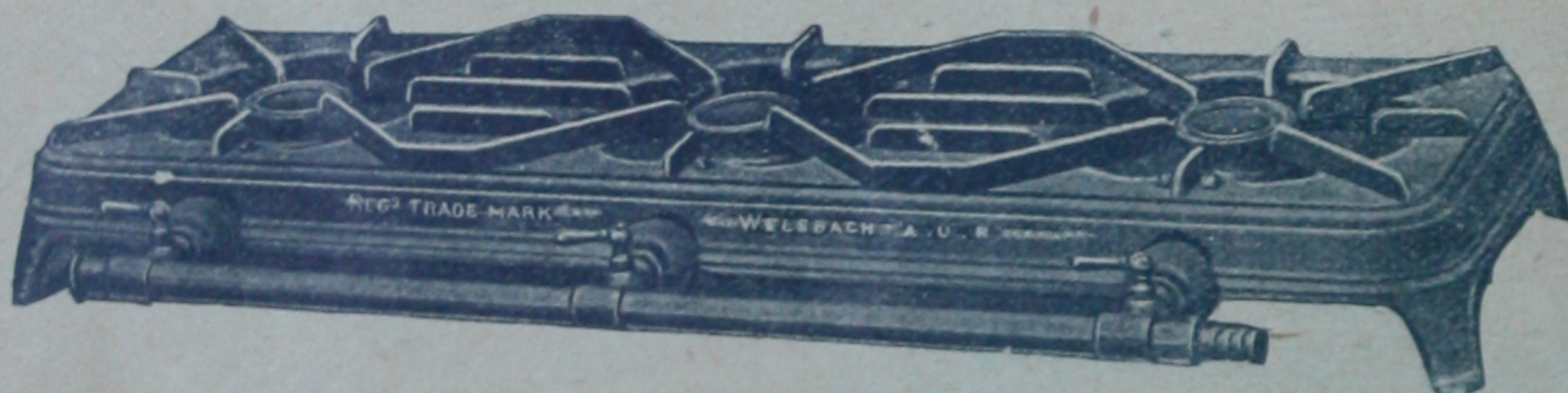


No. W121H.

Tray.

Art Black 47/= per doz.
Bright Black and Copper lined 53/= "
Enamelled 77/= "

Size, 21½ by 11½ inches.



Three-Turret Burners.

No. W122H. Hot Plate.

Art Black 154/= per doz.
Bright Black and Copper lined 167/= "
Enamelled 218/= "

Size, 29½ by 10 inches.



No. W122H. Tray.

Art Black 85/= per doz.
Bright Black and Copper lined 98/= "
Enamelled 112/= "

Size, 31½ by 11½ inches.

Hot Plates may be purchased WITH or without Trays.
Samples of our varied Vitreous Ceramic Enamels will be sent on application.

Improved Griller "The King's +"

No. W1949.

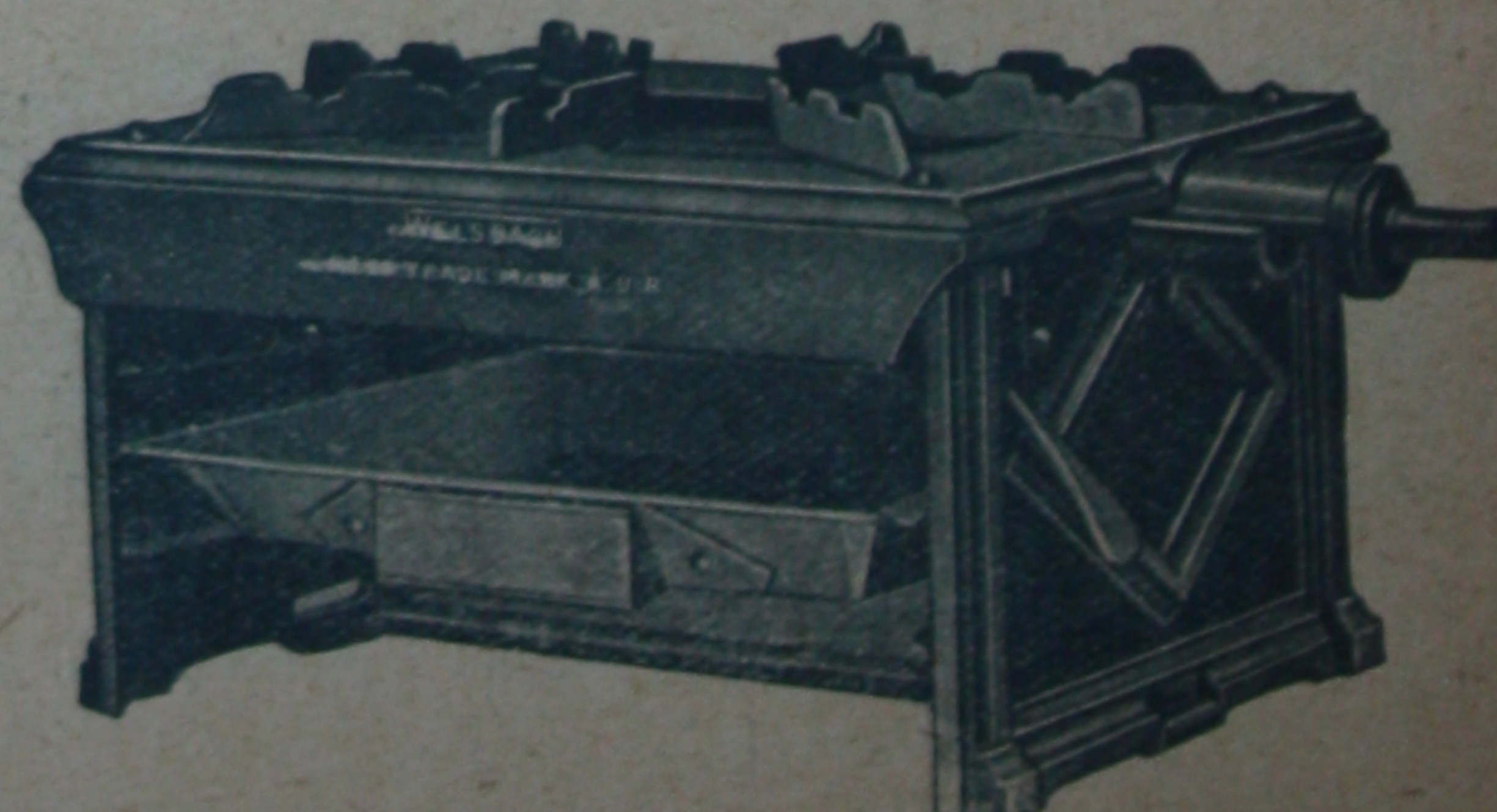
INSIDE DIMENSIONS:—

Width 9½ inches.
Depth 8 "
Height 5½ "

Length over all, including Burner, 14½ inches.

Price—Japan Black all over 7/6 each.
If with White Enamelled Top... .. 8/6 "
Deflector Section for renewals 6d. per pair.

Above Griller Prices include Grill Pan and Grid.



WELSBACH LIGHT

The Sandhurst Grillers.

Nos. W71H, W72H, and W73H.

UNIQUE GRILLERS, with ONE OR TWO BURNERS to order.

ADVANTAGES.—Hinged Top, easily thrown back for cleaning. Grill plates can be replaced in a minute. Separate Burner and Trivet, detachable. A useful Bottom Draw Plate. Lignum Vitae Nipple to Central Burner. Central Burner can be used from right or left side. Double Doors, opening at right and left.



Inside Dimension of Grillers.

No. W71H.—Width, 9½-in. Depth, from Front to Back, 8-in. Height, 6½-in. Length over all, including Burner and Nipple, 14½-in.

No. W72H.—Width, 11½-in. Depth, 9½-in. Height 8½-in. Length over all, including Burner and Nipple, 17-in.

No. W73H.—Width, 13½-in. Depth, 10½-in. Height 9½-in. Length over all, including Burner and Nipple, 20-in.

PRICES.—All of which include Grill Pan and Grid.

	No. W71H	No. W72H	No. W73H
Ref. A Japan Black all over ...	10/6	12/6	20/6 each.
.. B Enamelled on top only, other parts Black ...	11/6	13/6	22/6 ..
.. C Enamelled inside only, outside Black ...	13/6	15/6	27/6 ..
.. D Enamelled inside and Top only, other parts Blacked ...	14/6	16/6	29/6 ..

NOTE.—If without Doors ... 8d. 1/6 2/6 each less than above prices.

	No. W71H	No. W72H	No. W73H
Ref. E Enamelled inside and outside (or all enamelled) ...	16/6	18/6	32/6 each.
.. H If with additional Burner and Trivet, Black ...	1/6	1/6	1/6 extra.
.. I If with additional Burner and Trivet, Enamelled ...	2/6	2/6	2/6 ..
.. J Deflector Sections for Renewals ...	8d. per pair	9d. per pair	1/6 per pair



Welsbach Gas Cooker.

No. W107H.

Class D.

Double Cased Oven and Door, with cast movable Shelf Carriers. Enamelled inside, packed with Slag Wool, Double Top, and Cast Enamelled Crown Plate. All prominent parts polished.

Burners on Hot Plates.

2 Boilers, 2 on Grid, and 1 for Flat Iron.

Inside Dimensions.

Height of Oven, 24-in. Width of Oven, 12½-in. Depth of Oven, 12½-in.

Outside Measurements.

Height, 33-in. Width, 21-in. Depth, 17½ in.

Size of Gas Supply Fitting, ½-in.

Price £6

THE HOT PLATE HINGES BACK FOR CLEANING.

Utensils are included as below :

Grill Pan and Grid.	Drip Pan.	2 Wrought Iron Shelves
Browning Shelf.	1 Spare Cast Grid or Griller.	2 Meat Hooks.

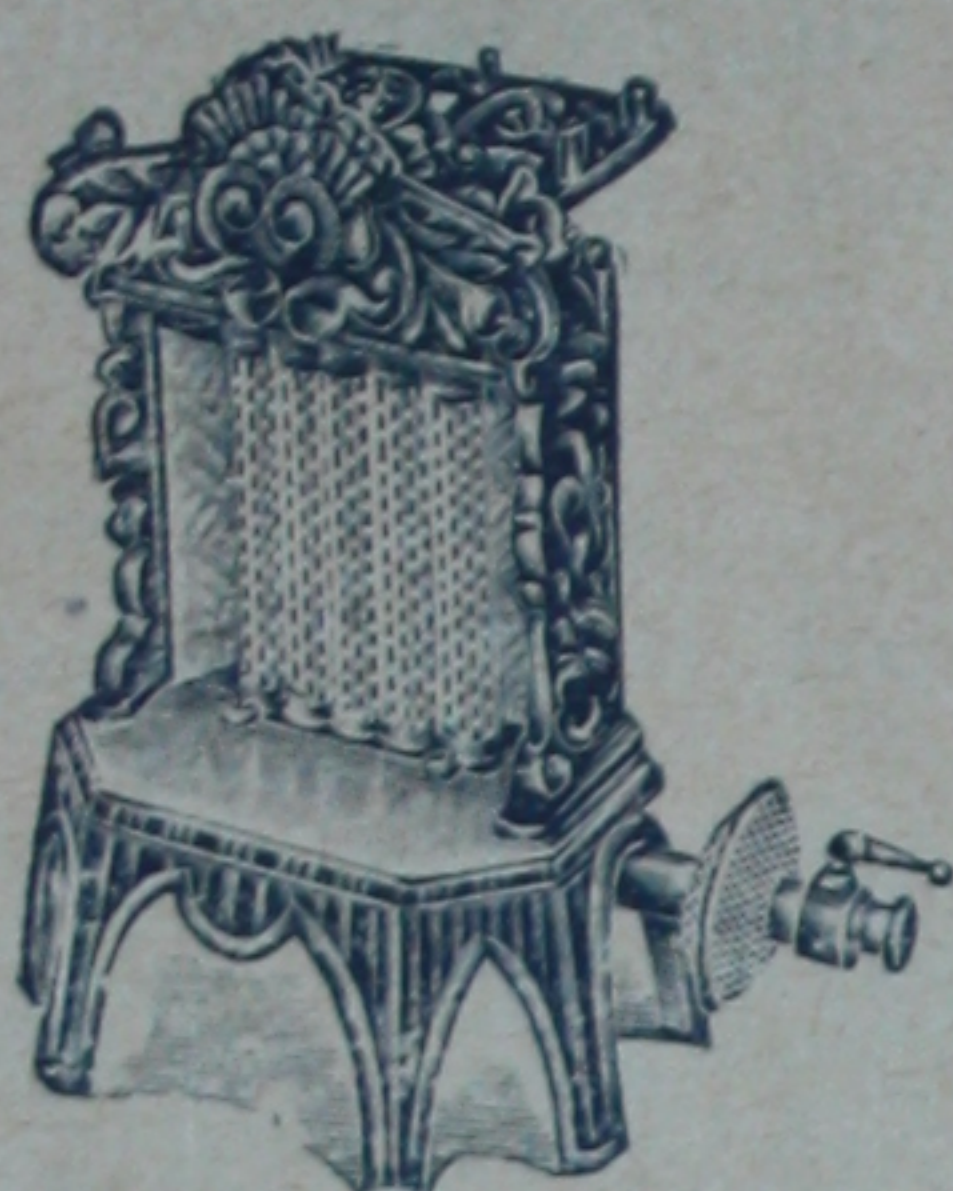
Complete List of Cookers, Grillers, etc., Post Free on application.

WELSBACH LIGHT

Welsbach-Kern Gas Radiators.

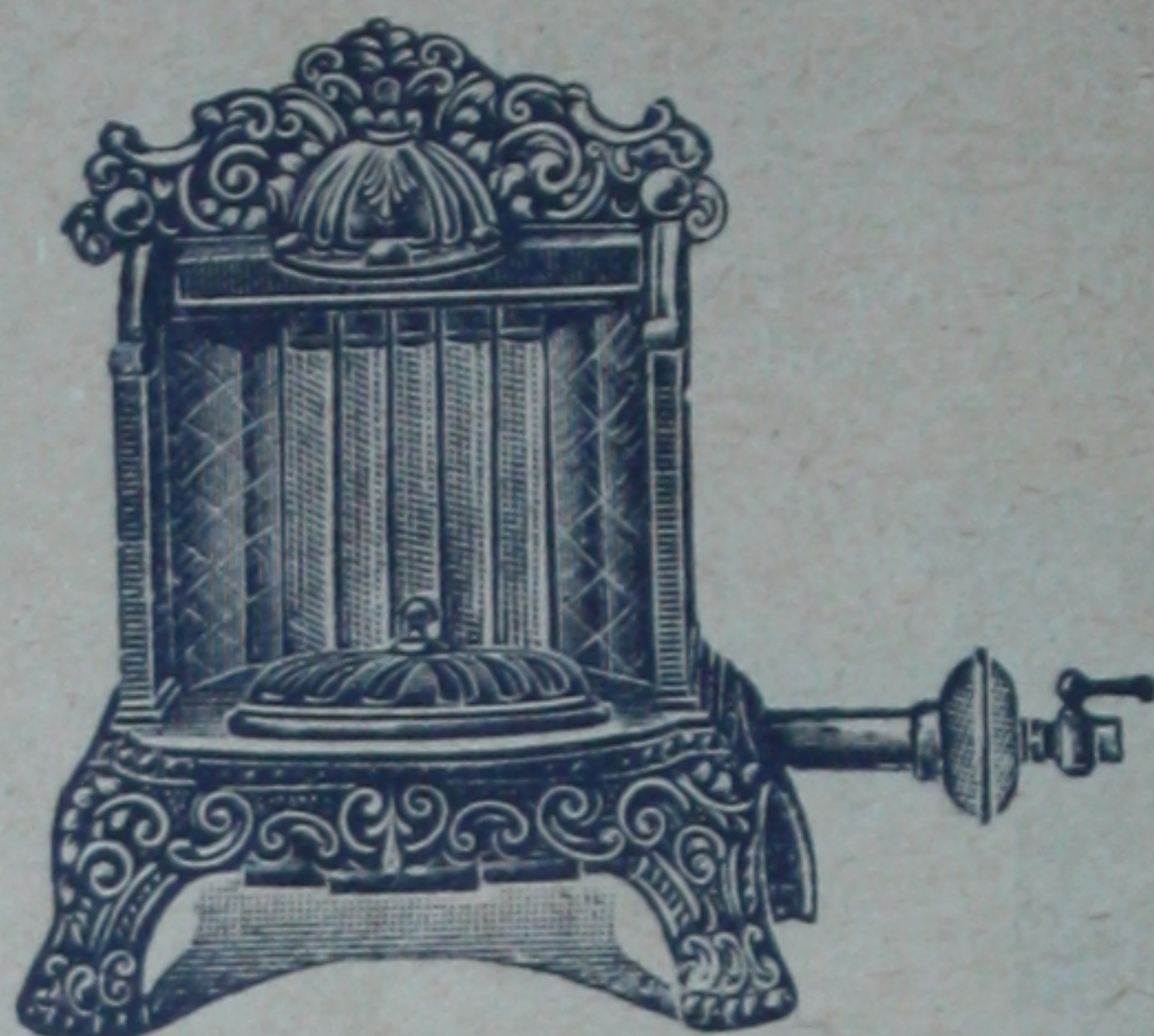
(PATENT.)

All Radiators with Hood or Case have Flue connection. Those with Frieze have not.



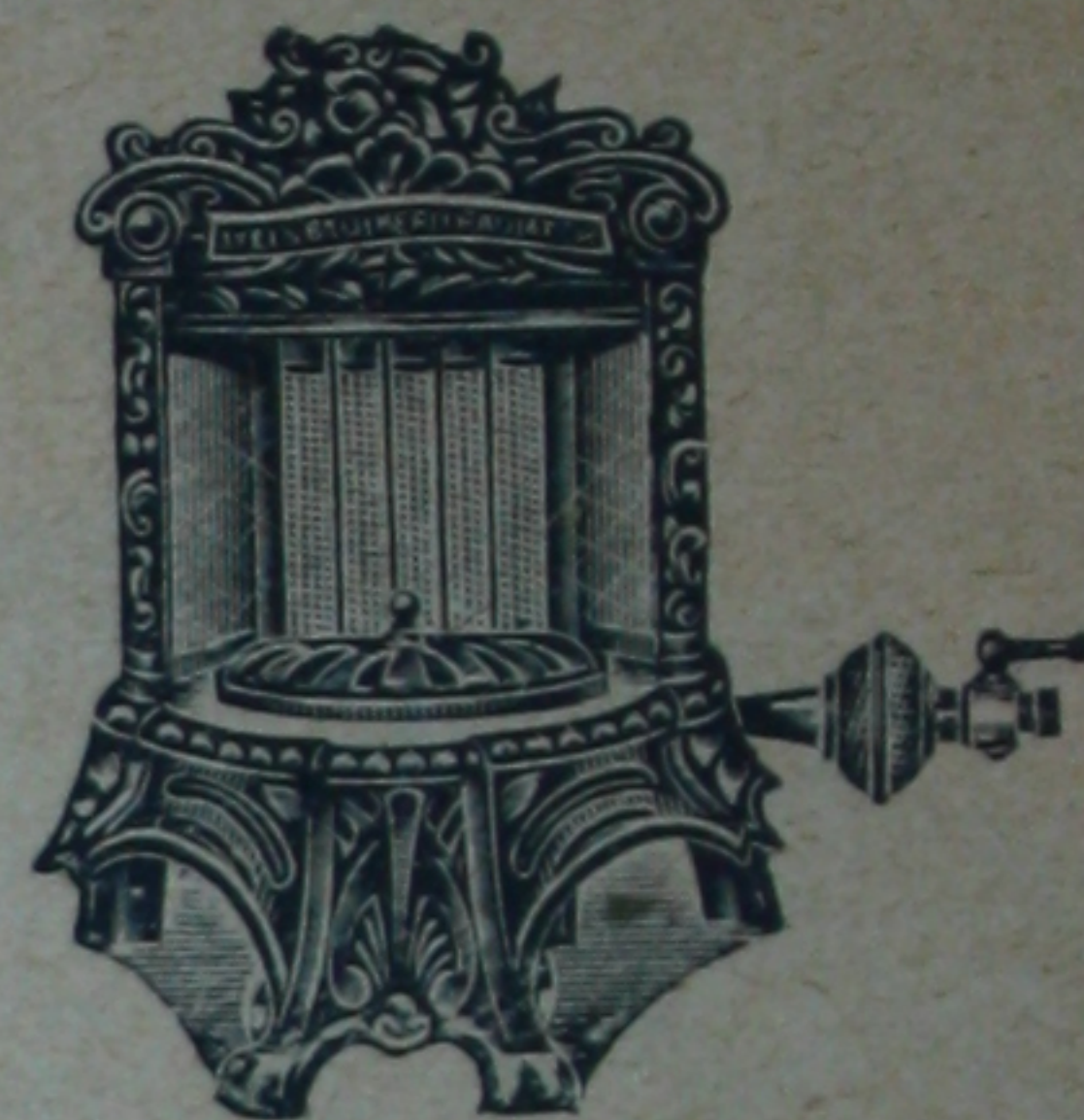
Design O.B. (Frieze.)

	Black.	Enam. Colours.
With Frieze ...	24/-	30/-
" Hood ...	29/4	36/-
Trivet, 10/8 per doz. extra.		
Brass Fire Guard, 14/8 per doz. extra.		



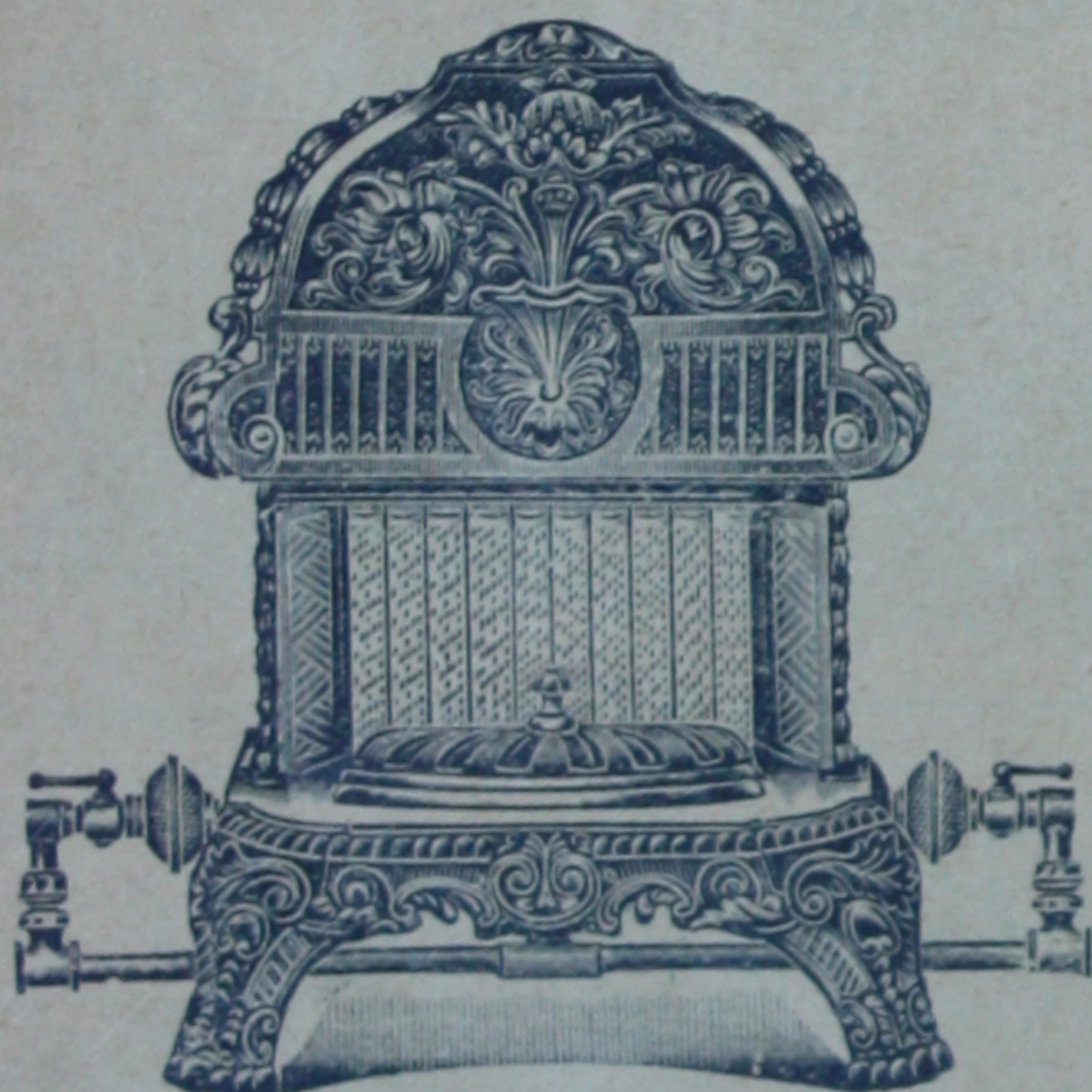
Design 2B. (Frieze.)

	Black.	Enam. Colours.
With Frieze ...	50/-	60/-
" Hood ...	60/-	73/4
Trivet, 18/8 per doz. extra.		
Brass Fire Guard, 25/4 per doz. extra.		



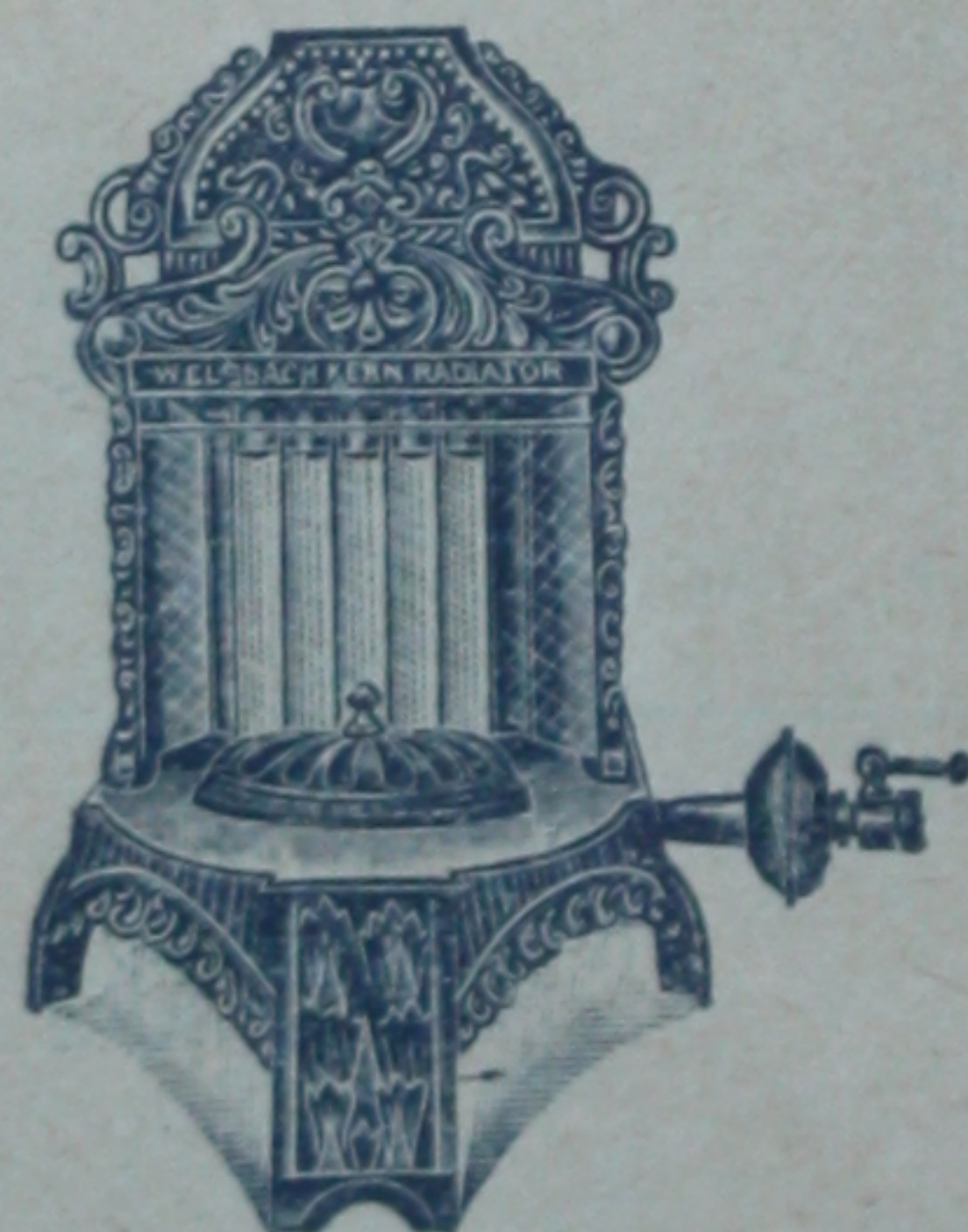
Design O.D. (Frieze.)

	Black.	Enam. Colours.
With Frieze ...	34/8	40/-
" Hood ...	38/-	45/4
Trivet, 10/8 per doz. extra.		
Brass Fire Guard, 20/- per doz. extra.		



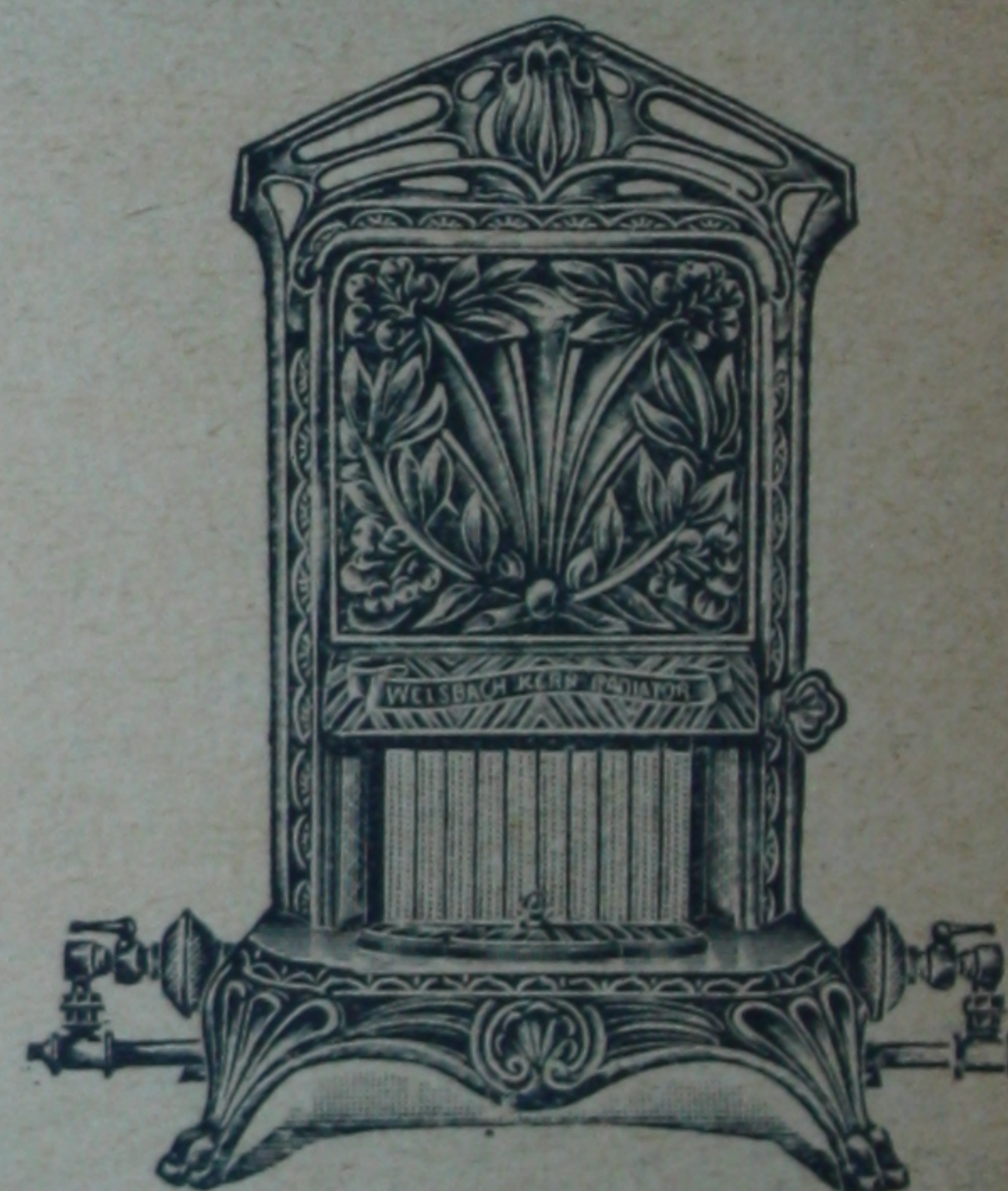
Design 1B. (Hood.)

	Black.	Enam. Colours.
With Frieze ...	50/-	60/-
" Hood ...	63/4	71/4
Trivet, 13/4 per doz. extra.		
Brass Fire Guard, 25/4 per doz. extra.		



Design O.C. (Hood.)

	Black.	Enam. Colours.
With Frieze ...	28/8	33/4
" Hood ...	32/8	38/-
Trivet, 10/8 per doz. extra.		
Brass Fire Guard, 17/4 per doz. extra.		



Design 1G. (Case.)

	Black.	Enam. Colours.
	90/-	110/-
Brass Fire Guard, 36/- per doz. extra.		



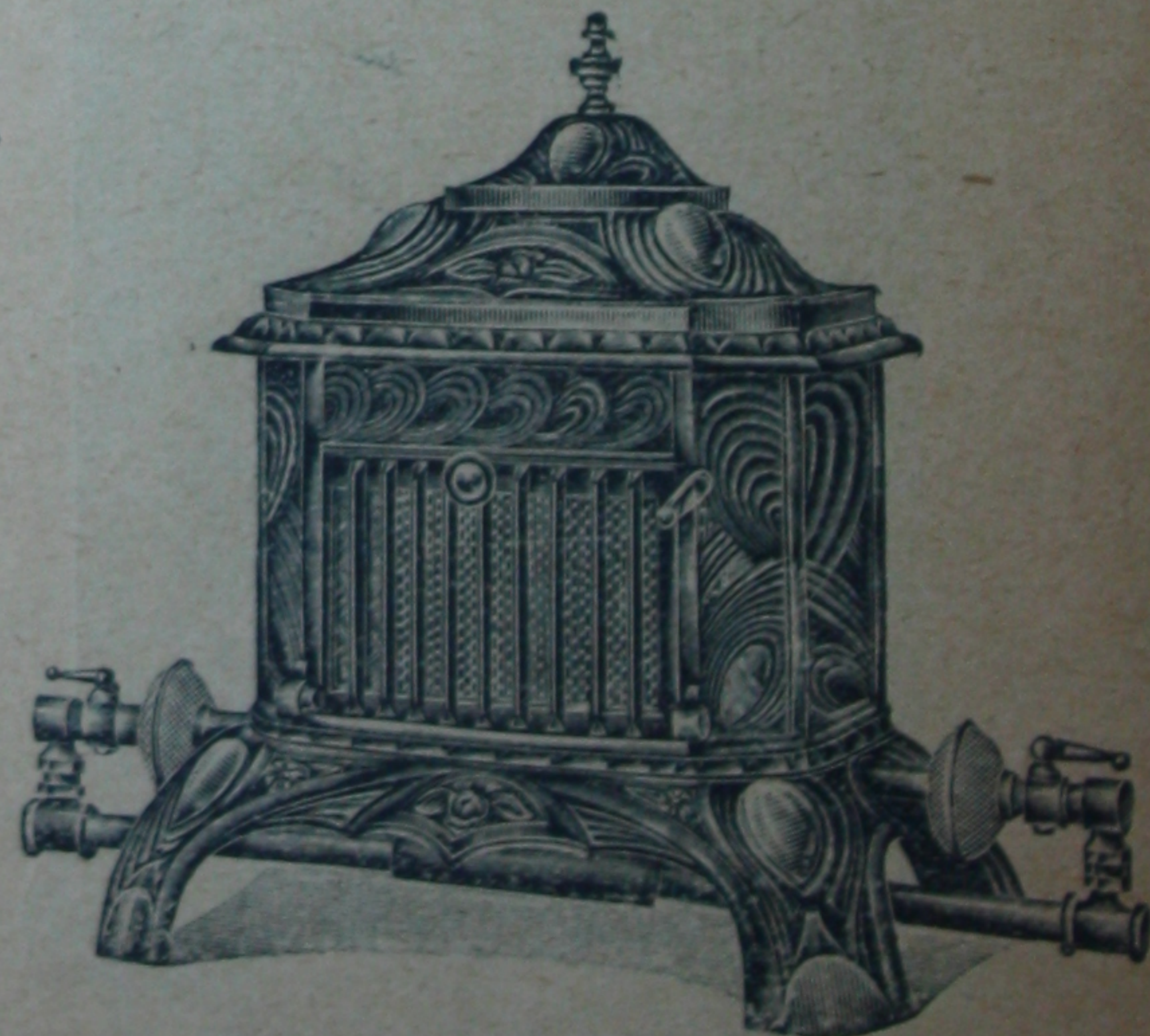
Design O.J.

	Black.	Enam. Colours.
	40/-	46/8
With Boiling Ring	48/-	54/-



Design O.H.

	Black.	Enam. Colours.
	50/-	64/8
Brass Fire Guard, 29/4 per doz. extra.		



Design 1K.

	Black.	Enam. Colours.
	74/8	93/4
With Boiling Ring	82/8	101/4

Complete Catalogue of Welsbach-Kern Radiators post free on application.



ASBESTOS BALL and HOLLOW FUEL FOR GAS FIRES.

Scale—Half Natural Size.

RED HOLLOW BALL FUEL.—Same Price as White Fuel.



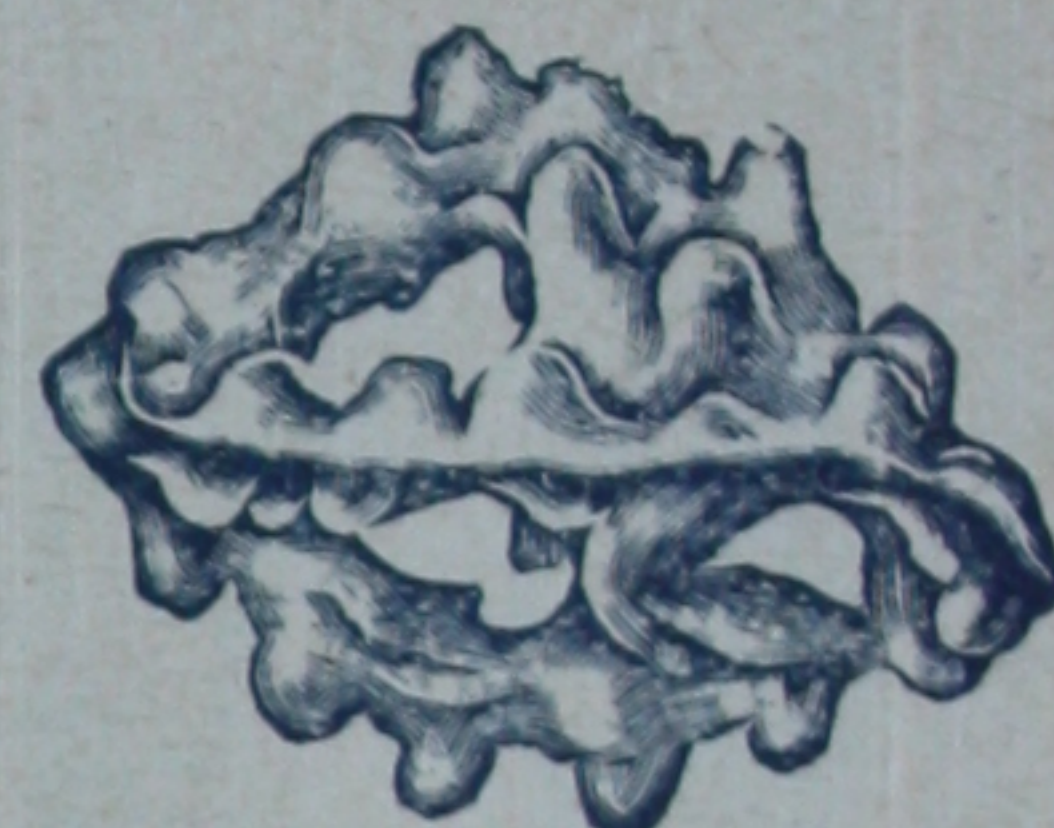
No. W50F.
Egg Shape Fuel, 60/- cwt.
39/- per 1,000 pieces.



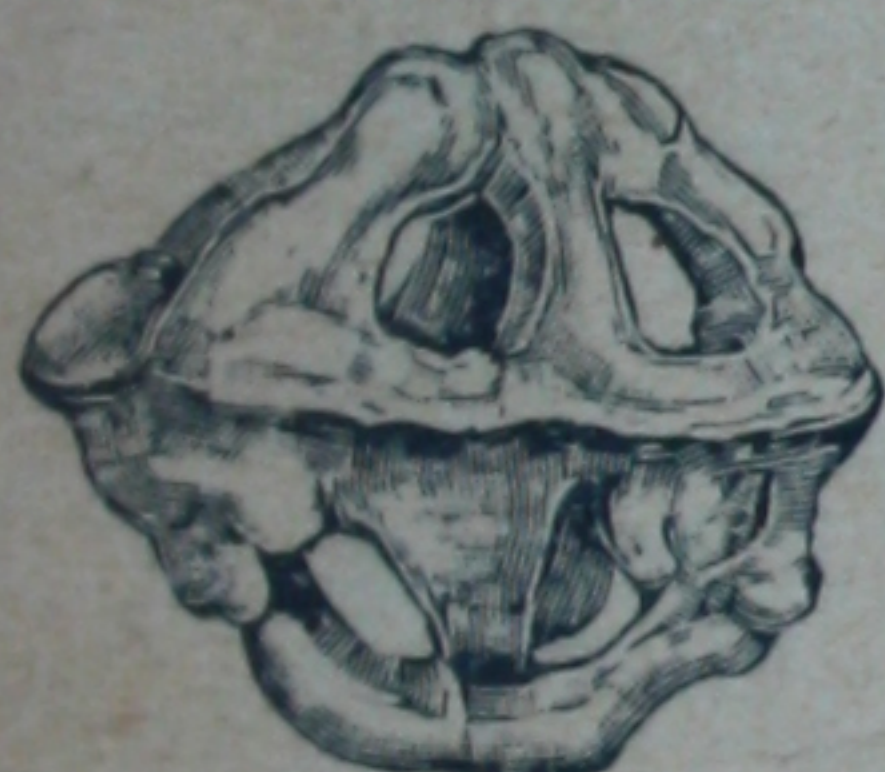
No. W51F.
Egg Shape Fuel, 70/- cwt.
33/- per 1,000 pieces.



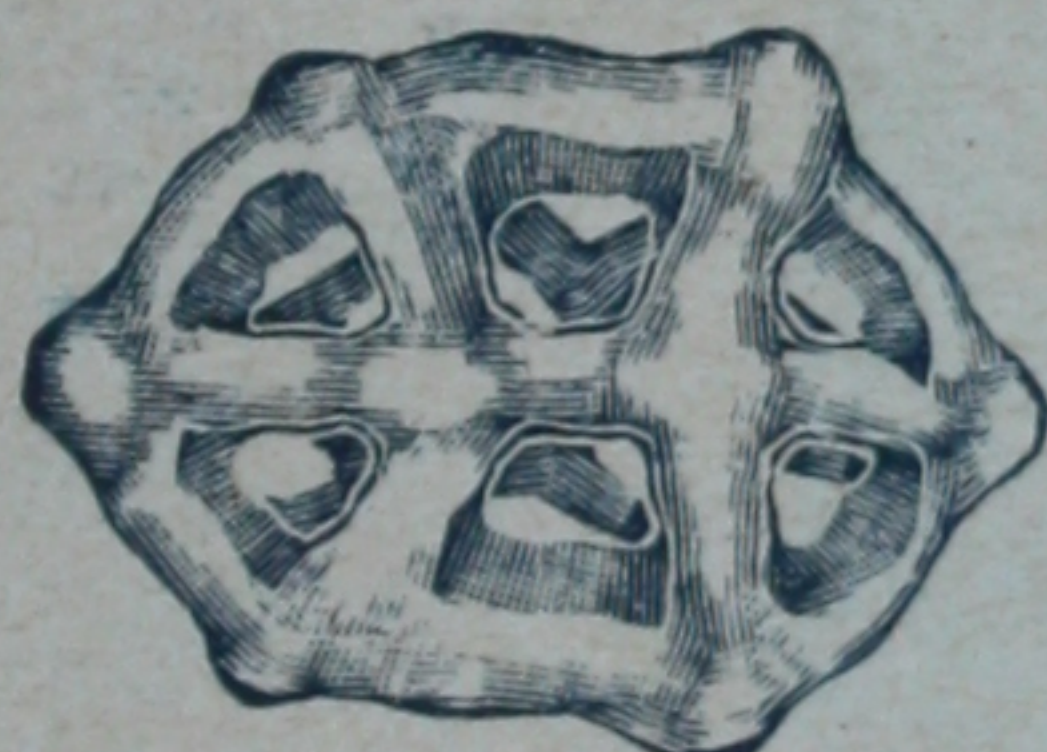
No. W52F.
Link Shape Fuel, 55/- cwt.
33/- per 1,000 pieces.



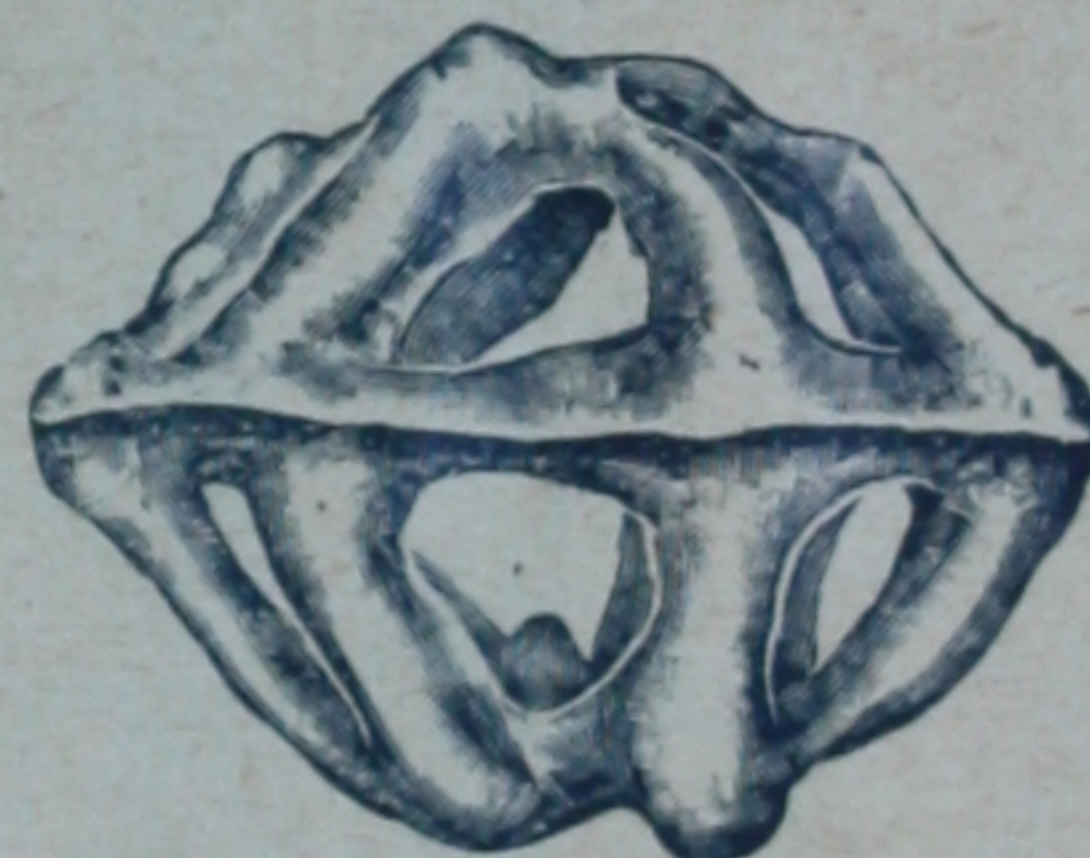
No. W53F.
Pimpled Egg Shape, 55/- cwt.
33/- per 1,000 pieces.



No. W54F.
Knotty, 55/- cwt.
33/- per 1,000 pieces.



No. W55F.
Simplex, 55/- cwt.
33/- per 1,000 pieces.



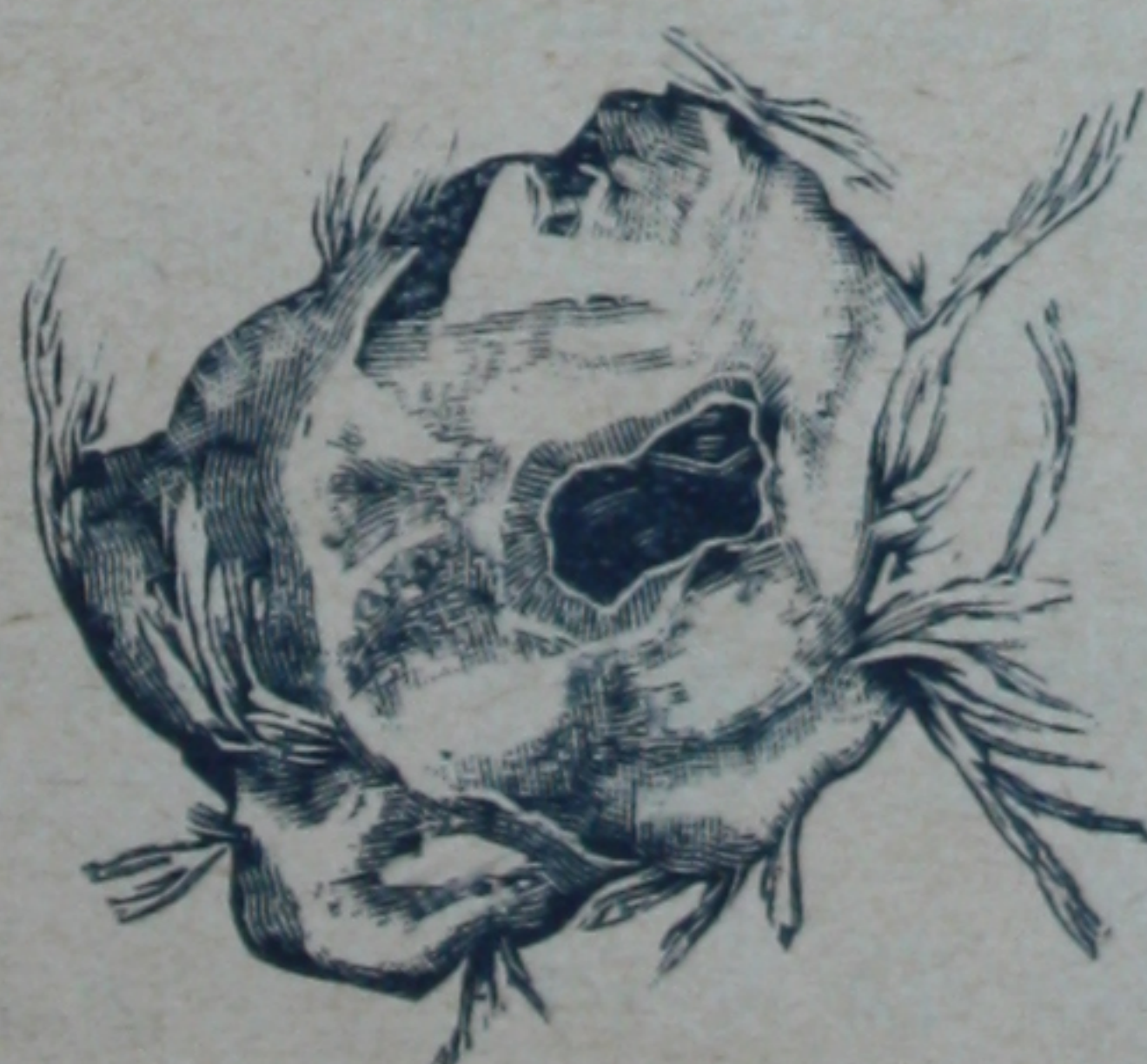
No. W57F.
Strong Cobble, 50/- cwt.
38/- per 1,000 pieces.



No. W58F.
Demi Link, 55/- cwt.
33/- per 1,000 pieces.



No. W59F.
Rustic, 52/- cwt.
31/- per 1,000 pieces.



No. W64F.
Asbestos Ball Fuel,
35/- cwt.
Smaller quantities, 6d. lb.
Special Best quality,
58/- cwt.
Smaller quantities, 8d. lb.
Red Ball Fuel,
45/- cwt.



No. W60F.
Twig, 55/- cwt.
33/- per 1,000 pieces.



No. W62F.
Butterfly Special Quality,
69/- cwt.



No. W63F.
Egg Shape, Strong Pattern,
69/- cwt.
33/- per 1,000 pieces.



No. W61F.
Square Link, 56/- cwt.
36/- per 1,000 pieces.



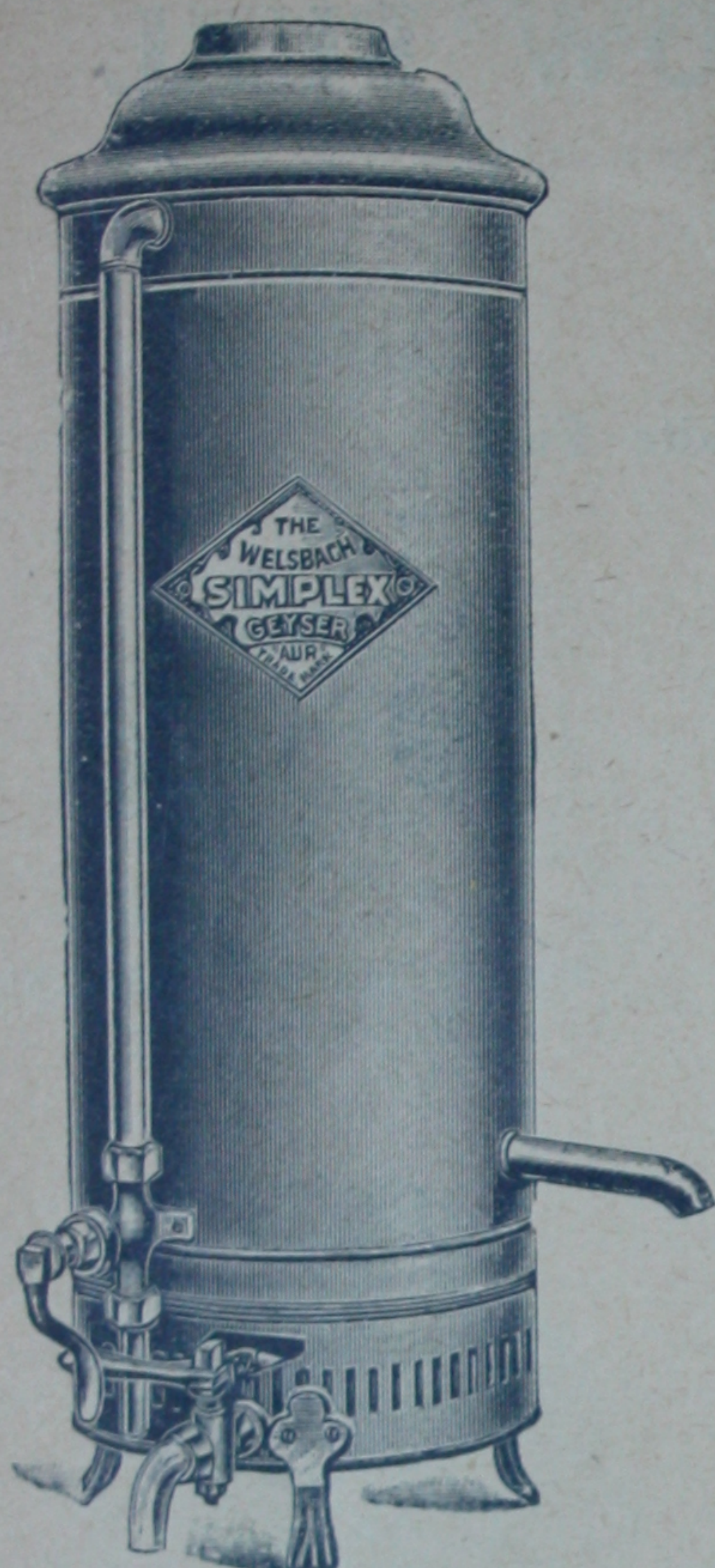
No. W65F.
Asbestos Cubes for Brazing
Hearths, 26/- cwt.

The attention of Cycle Manufacturers and others is called to the advantages of using our Asbestos Cubes instead of Coke or Breeze for brazing light joints. The Cubes are practically indestructible, there is a minimum of scaling and an absence of those Sulphurous Gases which arise where Coke or Breeze is used. The Cubes are perfectly clean and very durable.

Special Quotations for 5, 10 and 20 cwt. lots and upwards.



WELSBACH PATENT GEYSERS.



The Welsbach "Simplex" Geyser.

Constructed on the "Spray" Principle.
Connection can be changed by screwing Bend into Plug on opposite side.

Specification and Prices.

Made in Stout Copper throughout, exterior polished and lacquered, Cast-iron Burner.

No. 1, with interlocking taps, as shown—

Heats per Min. (40 degrees).	Hot Bath in	Height.	Diameter.
2½ galls.	12 mins.	2 ft. 9 in.	10 in.
Gas Supply (inside). ½ in. £ s. d. each.			
		6	0 0

No. 2, with union inlet—

Heats per Min. (40 degrees).	Hot Bath in	Height.	Diameter.
4 galls.	8 mins.	3 ft. 4 in.	13½ in.
Gas Supply (inside). ¾ in. £ s. d. each.			
		8	11 4

No. 3, with interlocking taps, as shown—

Heats per Min. (40 degrees).	Hot Bath in	Height.	Diameter.
4 galls.	8 mins.	3 ft. 4 in.	13½ in.
Gas Supply (inside). ¾ in. £ s. d. each.			
		9	9 0

NOTE.—The No. 1 is the most efficient Geyser which can be worked from ½-in. Gas supply, and also the smallest size satisfactory for an ordinary Bath. The Nos. 2 and 3 are very powerful and are strongly recommended.

TOP INLET.—The "Simplex" Geyser can be fitted with Top Inlet either with or without Interlocking Taps at same price.



The "New Welsbach" Geyser.

Chamber Heated with Patent Safety Gas Valve, as shown.
The Most Perfect Geyser manufactured.

Heats per Min. (45 degrees).	Hot Bath in Summer.	Winter.	Height.
No. 4—2 galls.	10 mins.	19 mins.	2 ft. 6 in.
Diameter. Gas Supply (inside). 10 in. ½ in. £ s. d. each.			
			9 15 0

Heats per Min. (45 degrees).	Hot Bath in Summer.	Winter.	Height.
No. 5—3 galls.	8 mins.	13 mins.	2 ft. 7 in.
Diameter. Gas Supply (inside). 12 in. ¾ in. £ s. d. each.			
			12 12 0

Heats per Min. (45 degrees).	Hot Bath in Summer.	Winter.	Height.
No. 6—4 galls.	6 mins.	9 mins.	3 ft. 0 in.
Diameter. Gas Supply (inside). 13 in. ¾ in. £ s. d. each.			
			16 2 4

Heats per Min. (45 degrees).	Hot Bath in Summer.	Winter.	Height.
No. 7—6 galls.	4 mins.	7 mins.	3 ft. 6 in.
Diameter. Gas Supply (inside). 15 in. 1 in. £ s. d. each.			
			25 4 0

The Nos. 4 and 5 are manufactured of Stout Copper, Nos. 6 and 7 of Extra Stout Copper throughout, and all interior tinned, exterior polished and lacquered.

NOTE.—Please specify if right-hand connection required, otherwise all Geysers will be sent "Gas Left," as illustration.



The Welsbach "Gladiator" Geyser.

Similar in construction to the "Simplex."

Made in Stout Galvanised Iron Ornamentally Japanned.

NOTE.—The "Gladiator" Geyser is not advised for districts where the water has a specially destructive effect on Galvanised Iron.

Japanned Green Marble and Aluminium, or any plain colour to order, with Gas Tap and Pilot Jet.

Price Complete.

No. 25.

Heats 2½ gallons per minute (40 degrees) or hot bath of 30 gallons in 9 minutes Summer; 16 minutes Winter.
£4 2s. 8d. each.

Gas Supply, ½-in. bore. 10-light meter.
Height, 2 ft. 8 in. Diameter, 10 in.

Higher temperatures, up to 140 degrees, are obtainable by reducing the flow.

ASK FOR SEPARATE FREE CATALOGUE OF WELSBACH GEYSERS.



The Welsbach Petroleum Burner,

Improved Pattern 1910.

SAFETY.

SIMPLICITY.

ECONOMY.



The "WELSBACH" Incandescent Mantle can now be used with Petroleum lamps in the same way as it has hitherto been used with Gas

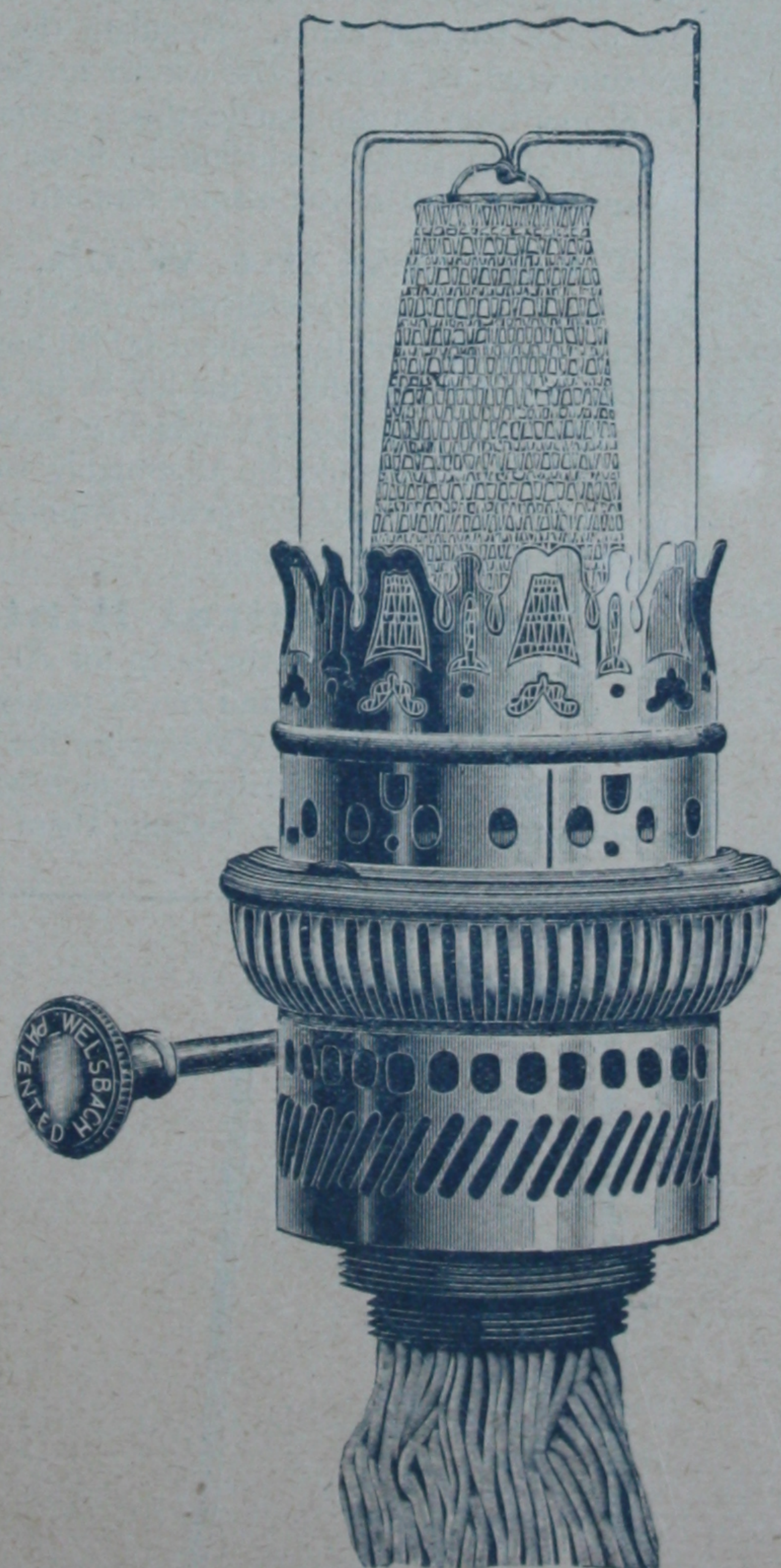


Important Improvements

having been effected in the manufacture of Incandescent Petroleum Burners, and these Lamps will now give every satisfaction.

The "Welsbach" Incandescent Petroleum Burner

will confer the same boon upon users of Oil Lamps that the "WELSBACH" Incandescent Gas Light has conferred upon Gas consumers.



1. The "WELSBACH" Incandescent Petroleum Burner gives a light of about **60 candles**, consuming about **one pint of oil in nine hours**.

2. The **heat** is much **less** than that of an ordinary oil lamp.

3. The frequent source of danger arising from the container getting overheated is reduced to a minimum, and in this respect the "Welsbach" is in the front rank of safety lamps.

4. The lighting or handling of this lamp is extremely simple.

5. The burner as supplied **can be fitted to all existing Duplex Lamps**, either with **screw or bayonet fittings**. It is simply necessary to state which is required.

6. The lamp produces a **soft, brilliant, pleasant light**.

Will **NOT** fit any Central Draught Lamp.

More Light.

Less Cost.

Burner, complete as shown with Mantle, Chimney, and Support, 4/6 each.

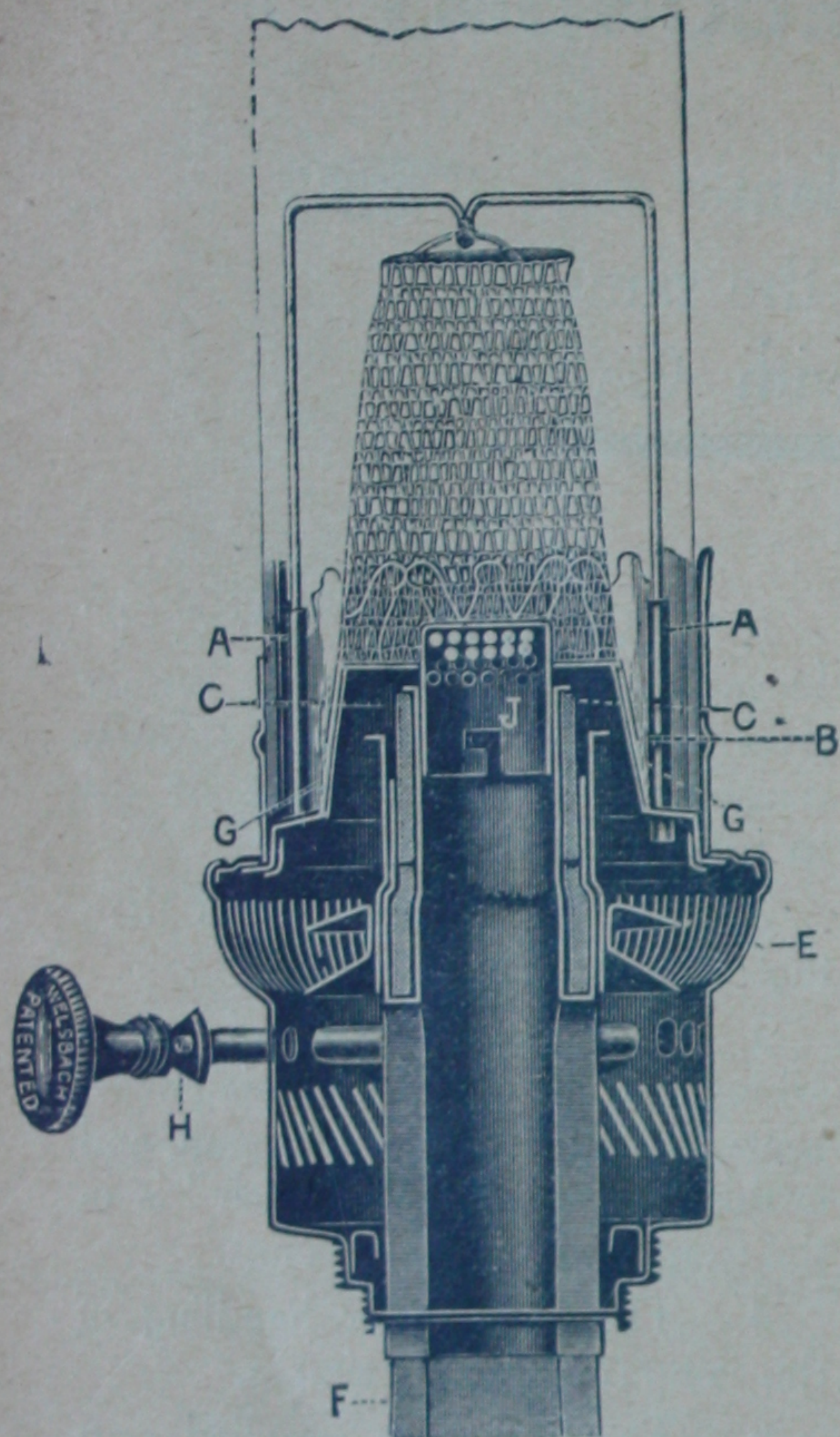
Renewal Mantles 9d. each ; Burning Wicks 2d. each ; Suction Wicks 2d. each ; Chimneys 4½d. each.

Globe Rings to carry Duplex Globes, 6d. each. Holders to carry 12-in. shades, 1/6 each.

Holdings to carry Silk Shades, 1/6 each.

WELSBACH LIGHT

Instructions for Using the Welsbach Petroleum Burner, Pattern 1910.



To Fix the Mantle.—Remove the upper part of the burner, and insert the ends of the mantle support in the slots (A) for same; hang the mantle on its hook and gently lower the support until the mantle covers about one-half of the burner cap (see line (B) in the accompanying illustration), care must be taken that the mantle does not touch the sides of the cap, nor must the lower edge of the mantle touch. It is also important, to ensure a good light, to see that the mantle hangs perfectly straight. Burn off the toughening and fix the chimney in gallery in the usual manner.

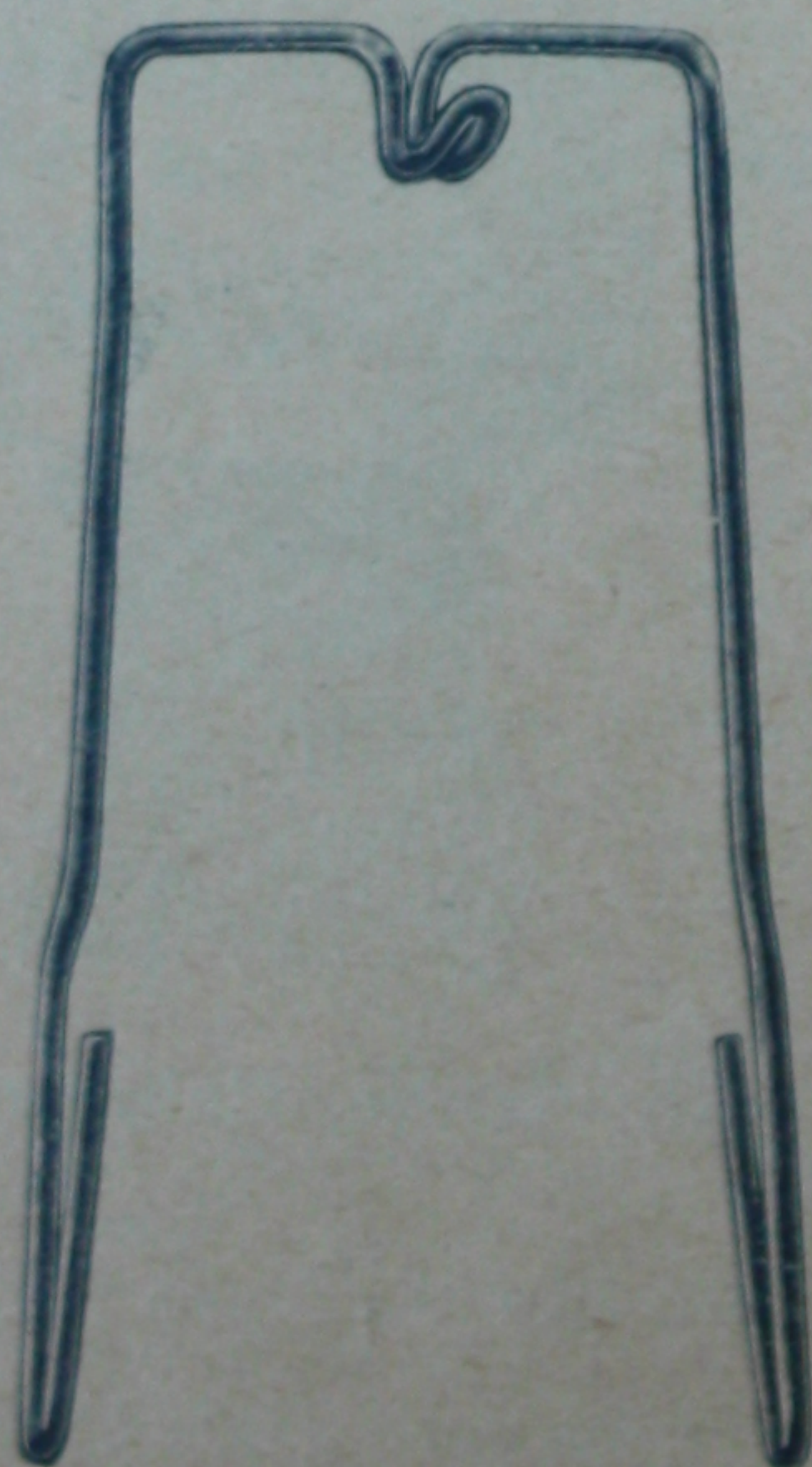
To Light the Burner.—Turn the wick (C) up to its highest point and light it, preferably at two opposite points; when it is alight all round, replace the gallery with mantle and chimney on the lower part of burner (E), fastening it in position by means of the bayonet catch. Regulate the light, which is dependent on the quality of petroleum used, by turning the winder to the left or right as may be necessary. Should spots of soot form on the mantle, this is a sign that it is not hanging straight. The spots can be burned off by slightly reducing the flame of the burner. Centralise the mantle by raising or lowering one side of the mantle support.

To Renew the Wick.—The Welsbach Safety Petroleum Burner has two wicks. The lower (or suction) wick (F) does not require renewing. The upper (or burning) wick (C) will burn about 60-80 hours, and must then be replaced. To replace the burning wick, turn winder to the left as far as it will go, and take out the regulating tube (G), remove the spreader (J), which is fixed with a bayonet catch, and take out the old wick. New wicks should be thoroughly soaked in Petroleum before use. The burning wick should be cleaned by gently wiping it with a cloth, but care must be taken not to damage the carbonized portion.

A Few Practical Hints.—A new burner should not be used until the oil has been in the fount of the lamp for 20 minutes or so, to thoroughly soak the suction wick. Keep the spreader and rim of regulating tube (G) perfectly clean. Take care that the bottom of burning wick (C) touches the top of suction wick (F). To extinguish the burner, turn winder to the left as far as it will go. Do not spoil the wicks by keeping them alight after the oil in reservoir is exhausted.



Renewal Mantles,
9d. each.



Mantle Supports,
2d. each.



Burning Wicks (C),
2d. each.



THE "UNIVERSAL" GAS RADIATORS.

				Dimensions and Weights.	
				4-Tube.	6-Tube.
Height over all	...	...	...	23-in.	23-in.
Length	...	...	...	17½ "	21 "
Width	...	...	...	9¾ "	9¾ "
Weight	...	...	...	29-lb.	38-lb

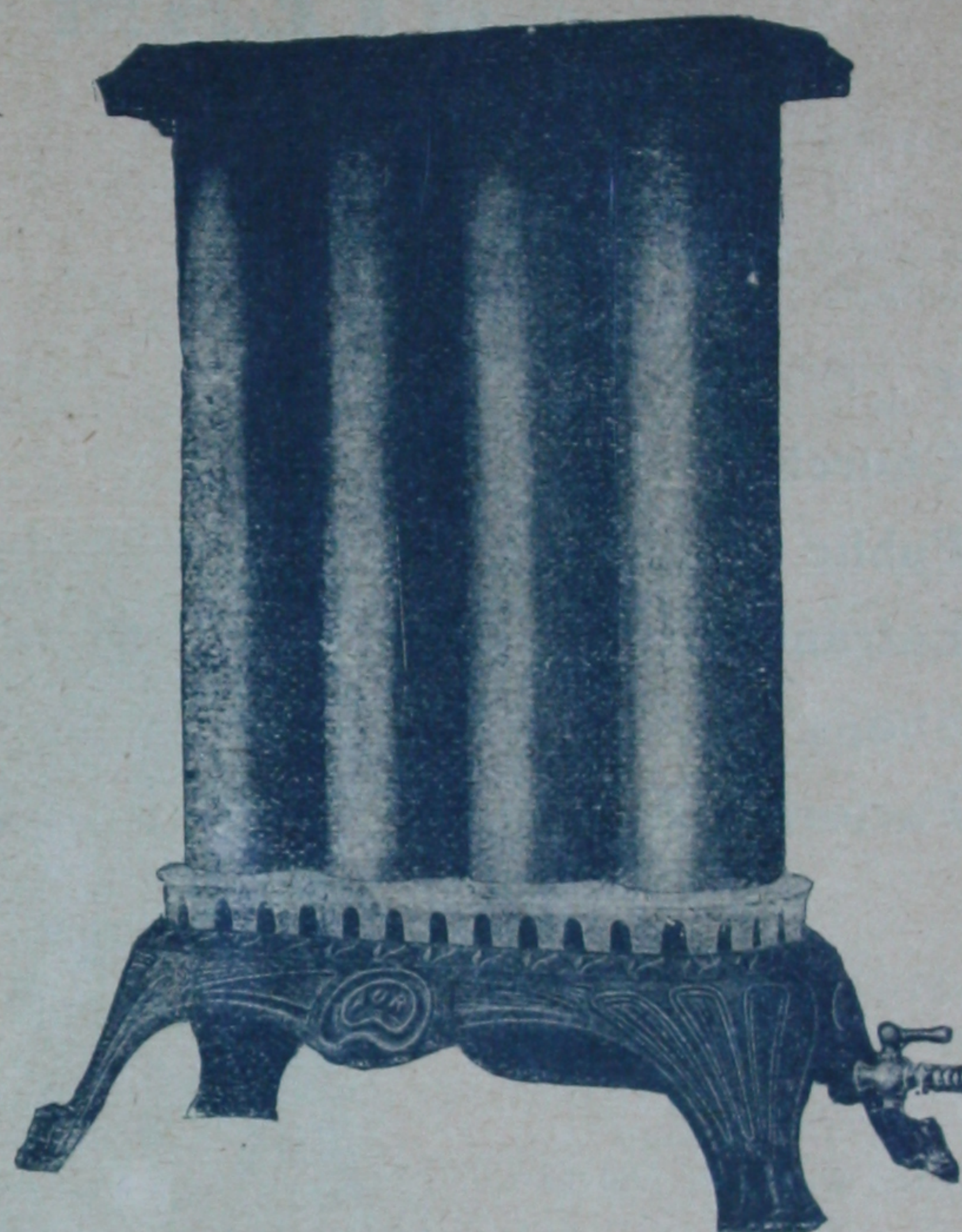
This Radiator has unique advantages.

The Gas and Air are taken into the Burner at the centre, ensuring equal pressure and perfect mixing.

Cold Air is also drawn in at the point of ignition, all round the heat chamber. The hot air is then filtered in the tubes through zig-zag plates (see small illustration) and a fine sieve, and then discharged through slots underneath the top plate.

The Gas Tap is made to shut down the gas consumption to about one half when required.

This Radiator, finished in our Vitreous Enamels, is ornamental, lasting, and very effective as a Heater.



Patent No. 5676.

Registered No. 524064.

NOT KERN PRINCIPLE.



Zig-zag Plates or Heat Filter.

Prices :	Four Tubes in Art Black finish, with Enamel Platform and self-colour Tubes	...	£1	6	0	each.
	Enamelled all over	...	2	0	0	"
	Six Tubes in Art Black finish, with Enamelled Platform	...	2	0	0	"
	Enamelled all over	...	2	13	4	"

This Radiator with Four Tubes burns 8 Cubic feet of Gas per hour, at a pressure of 15/10ths.

With Six Tubes 12 feet per hour.

NO SMELL OF GAS.



THE "RENOWN" GAS HEATED STEAM RADIATORS.

For . .

Churches,
Public Buildings,
Entrance Halls,
Shops,
Factories, &c.

Fitted with Air Valves
and Water Gauges



Fitted with "Welsbach"
(NOT KERN) Burners.

Registered Design
No. 532275.

If fitted with Copper Tube
for rapid heating,
8/- each extra.

Base Plates extra.

Pilot Light, if fitted,
3/- each extra.

Approximate Heating Capacity, and Gas Consumption to maintain a Radiator
at about 210 deg. F.

No. of Double Sections	4	6	8	10
Approximate Heating Capacity of 38-in. (largest size)	2,300	3,400	4,600	5,700 cubic feet.
" Consumption	8	10	13	16 " per hour.
Approximate Heating Capacity of 32-in. (middle size)	1,800	2,700	3,700	4,500 cubic feet.
" Consumption	7	9	11	13 " per hour.
Approximate Heating Capacity of 26-in. (smallest size)	1,300	2,000	2,700	3,300 cubic feet.
" Consumption	6	8	10	12 " per hour.
No. of Double Sections	4	6	8	10
Width	12½-in.	18½-in.	23-in.	28-in.
Height, 26-in.	B.1 80/- E.13 106/8	B.2 112/- E.14 149/4	B.3 146/8 E.15 197/4	B.4 181/4 E.16 242/8
" 32-in.	B.5 85/4 E.17 117/4	B.6 120/- E.18 160/-	B.7 160/- E.19 213/4	B.8 197/4 E.20 264/-
" 38-in.	B.9 90/8 E.21 122/8	B.10 125/4 E.22 168/-	B.11 168/- E.23 224/-	B.12 213/4 E.24 285/4

The Bronze Finishes are Art Black, Gold, and Silver.

The Vitreous Enamelled Finishes are Black, White, Green, and Brown, or to order from our sample tablets.

Depth Front to Back, 12-in. in all sizes.

Above Radiators can be supplied with Base Plates, at following prices:—

	4 Section	6 Section	8 Section	10 Section
Bronze	5/4	6/8	8/8	10/8 each.
Enamelled	7/4	9/4	12/-	14/8 "

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